موضوع الدرس : ..... اليـوم : .....

التاريـــخ : / / ٢٠ م المـــوافـق : / / ١٤ هـ

جامعة 21 سبتمبر للعلوم الطبية والتطبيقية

كلية / الطب البشري

الدفعة / الأولى

المجموعة / B3

القسم / عيون (عملي)

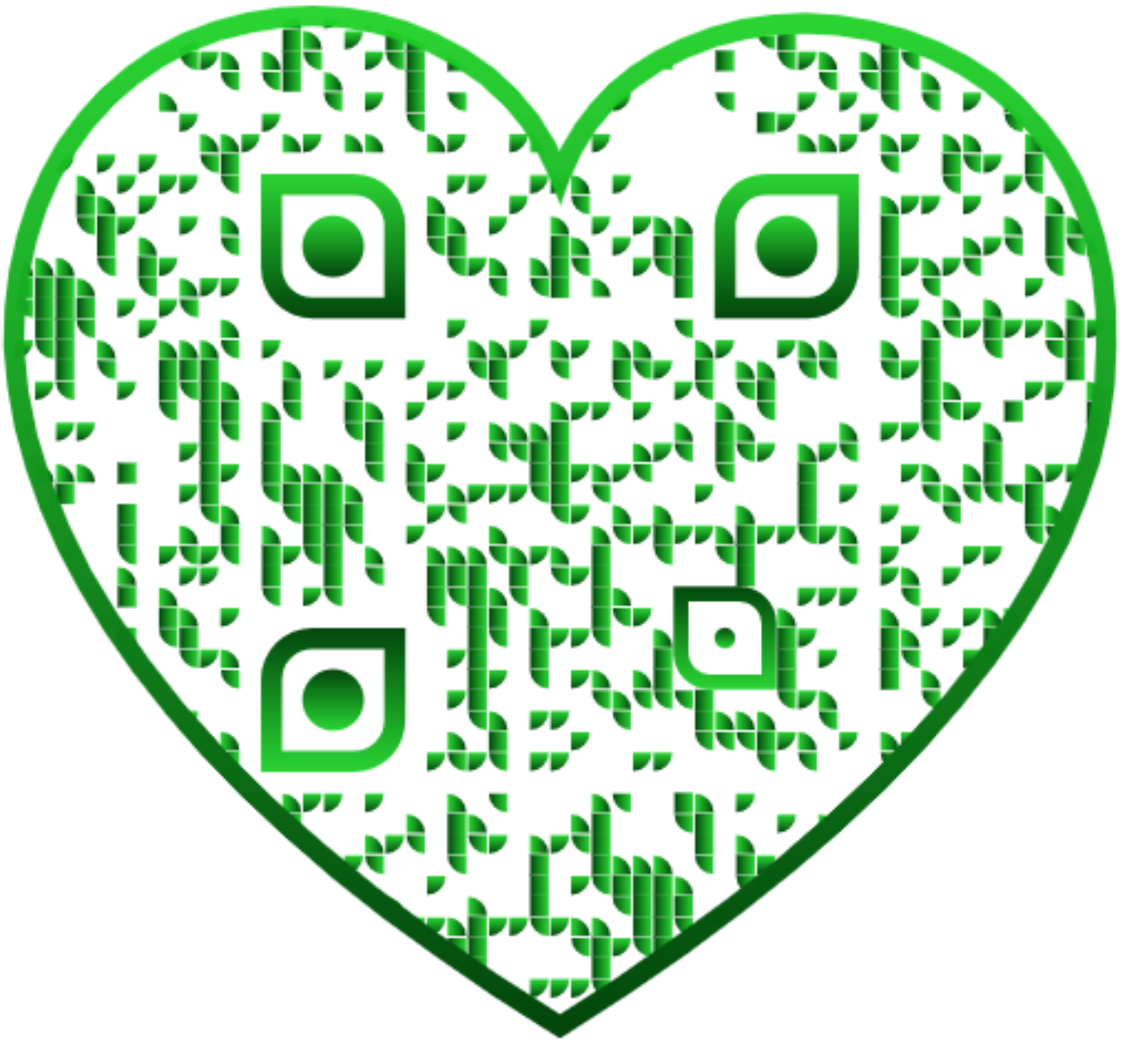
تدوين محاضرة / Retina (عملي)

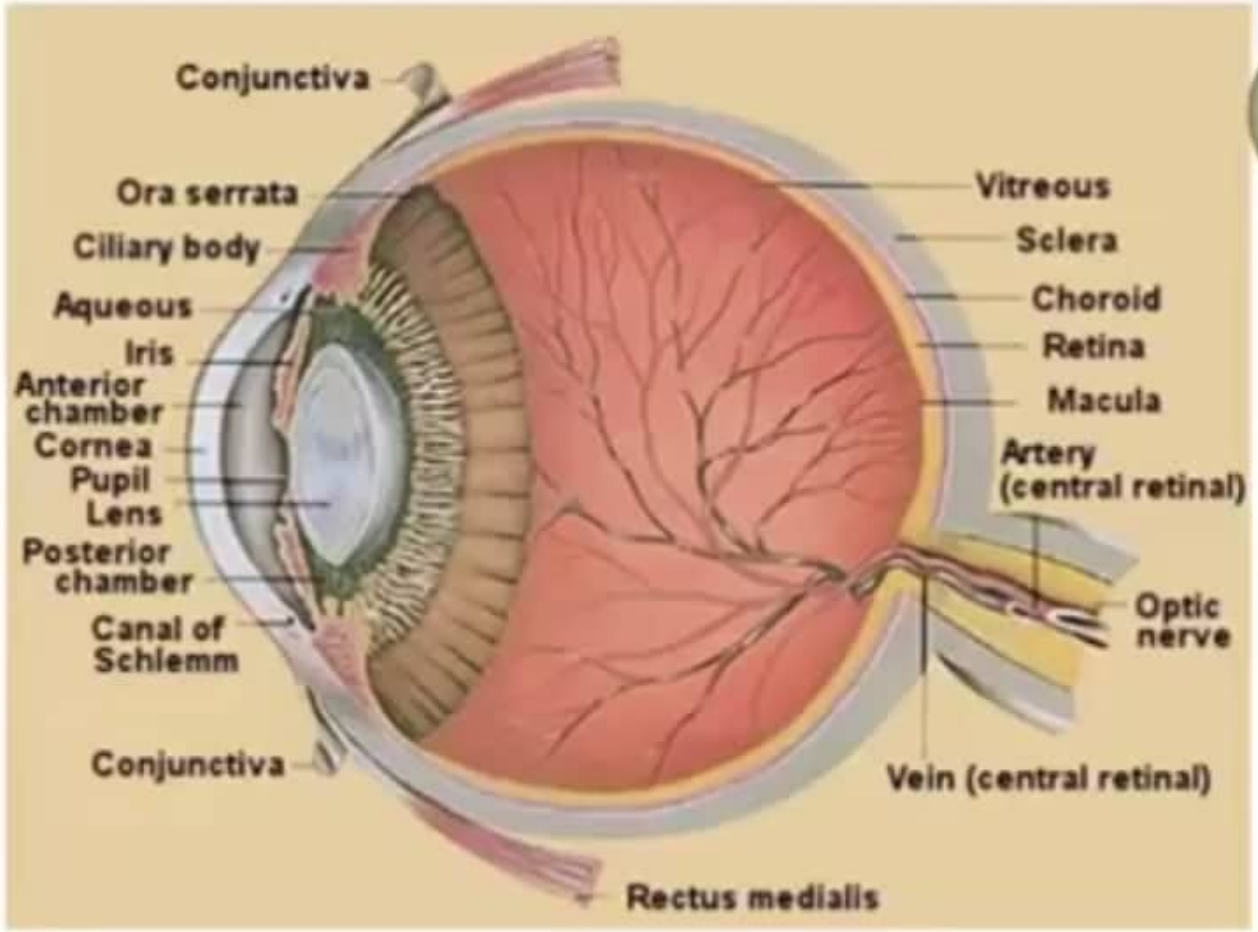
للدكتور / محمد سالم لقيط

تدوين وإعداد / محمد صالح الفضلي

D.T.H

الممسوحة ضوئيا بـ CamScanner





1

❖What is the blood supply of the retina ?

الممسوحة ضوئيا بـ CamScanner

2

- What is this ?
- It gives you a magnification of x.....
- It is used for.....

الممسوحة ضوئيا بـ CamScanner

3

❖What is the difference between the direct and the indirect ophthalmoscope In terms of image magnification ?

الممسوحة ضوئيا بـ CamScanner

4

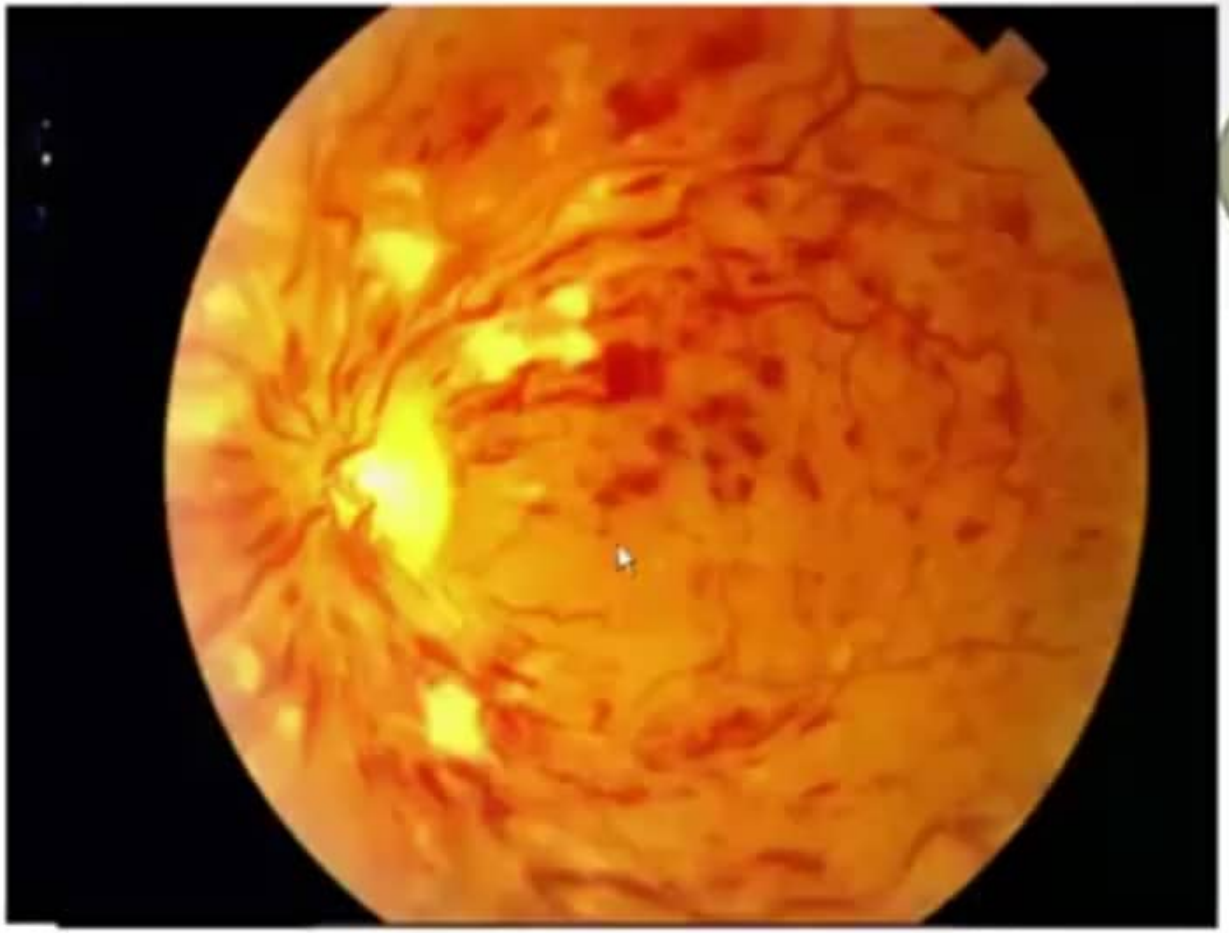
❖The retinal image using the direct ophthalmoscope is:

1-.....

2-.....

3-.....

الممسوحة ضوئيا بـ CamScanner



5

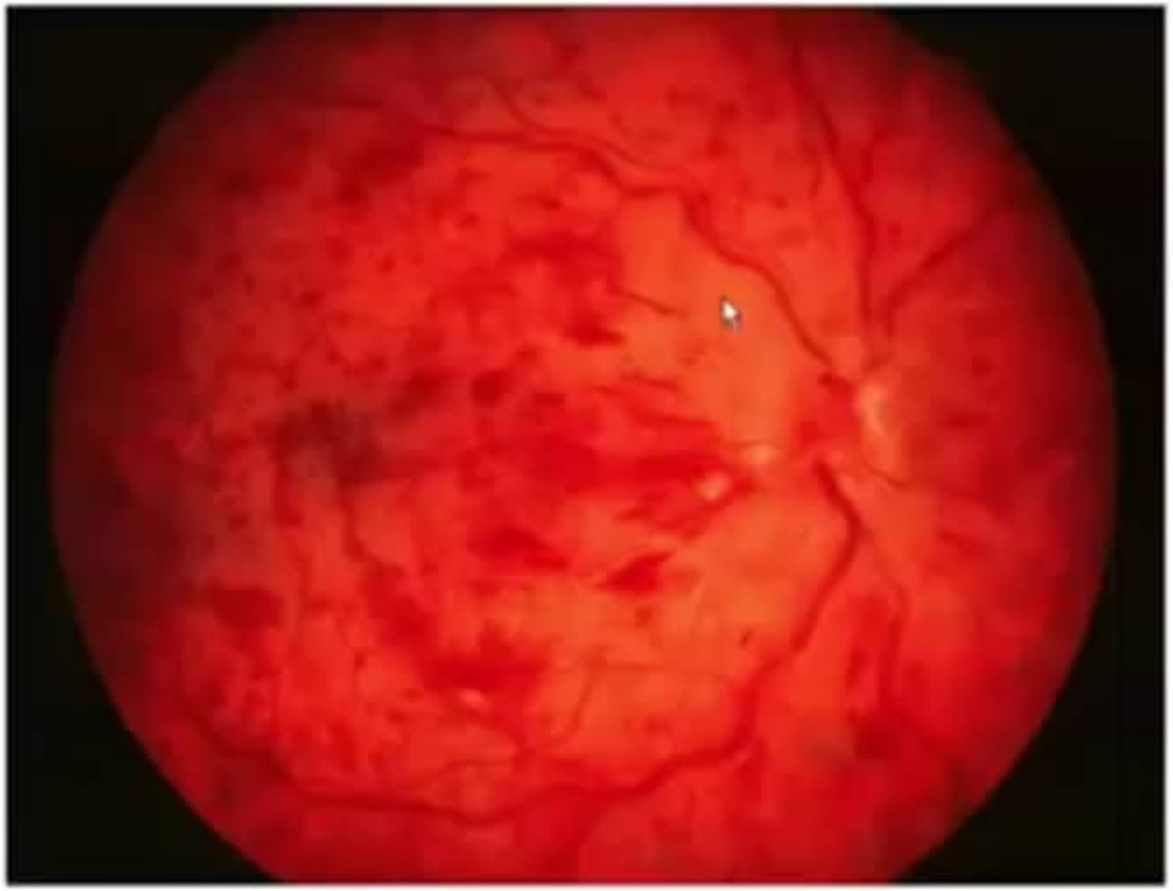
- What is your diagnosis?
- Mention one important remote complication?

الممسوحة ضوئيا بـ CamScanner

6

- What is the diagnosis ?
- What is 100 day glaucoma?
- What is the ttt ?

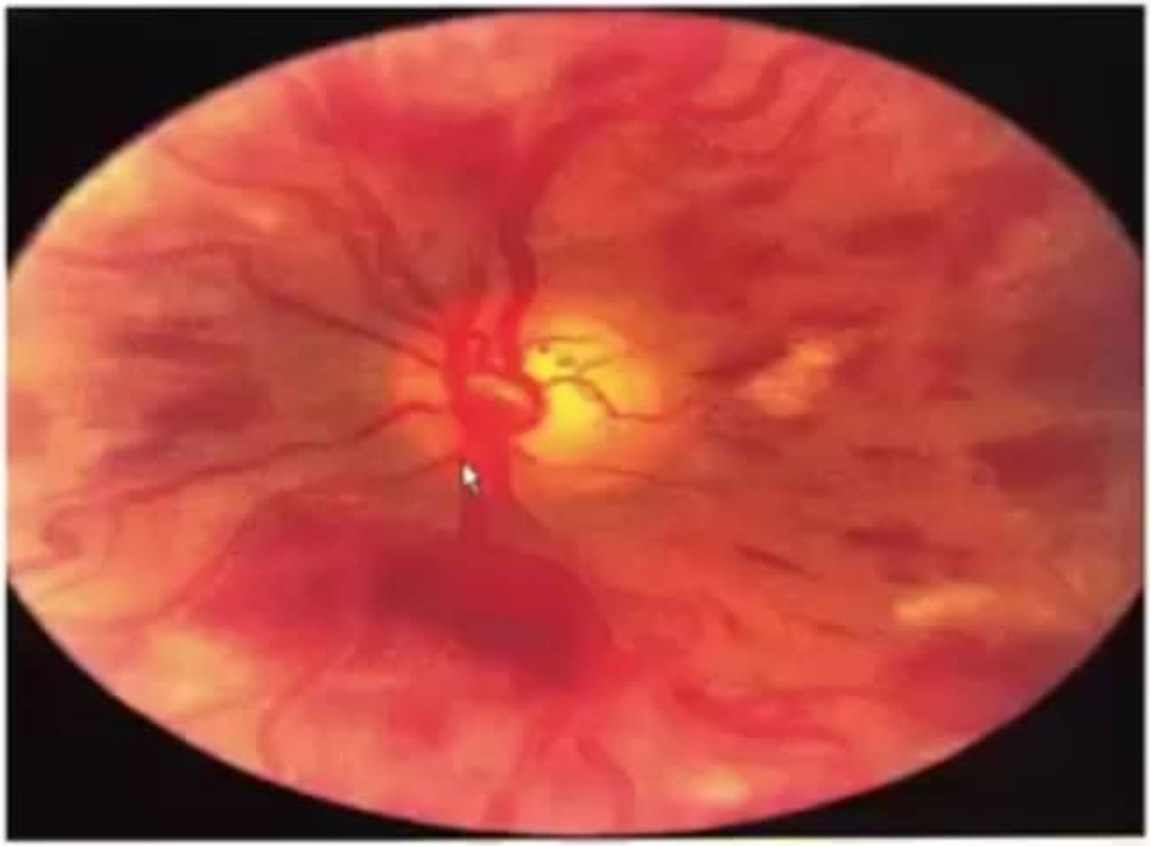
الممسوحة ضوئيا بـ CamScanner



7

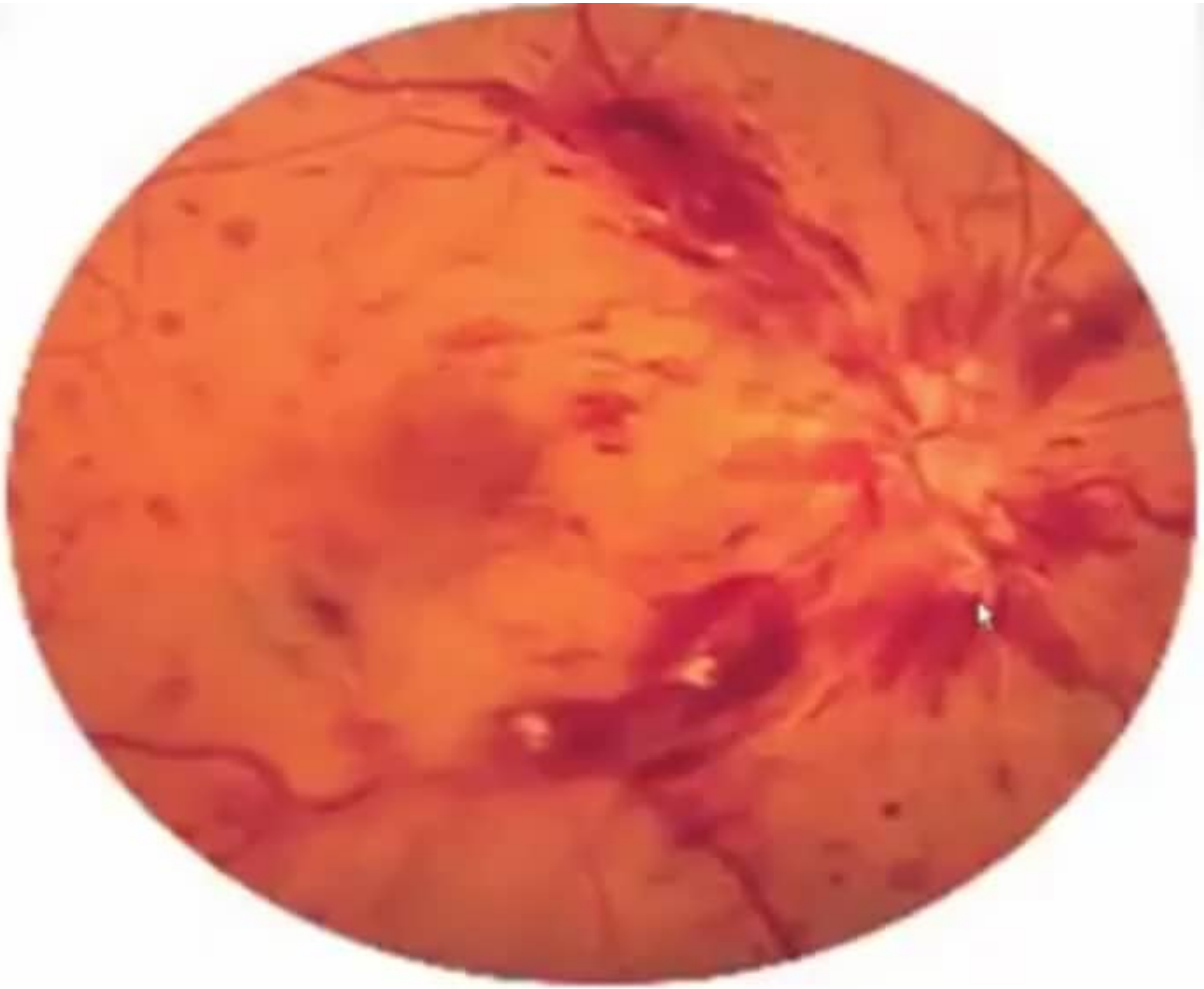
- What is the Diagnosis?
- Mention 2 underlying causes?

الممسوحة ضوئيا بـ CamScanner



- What is the most probable diagnosis?
- Mention one late complication?

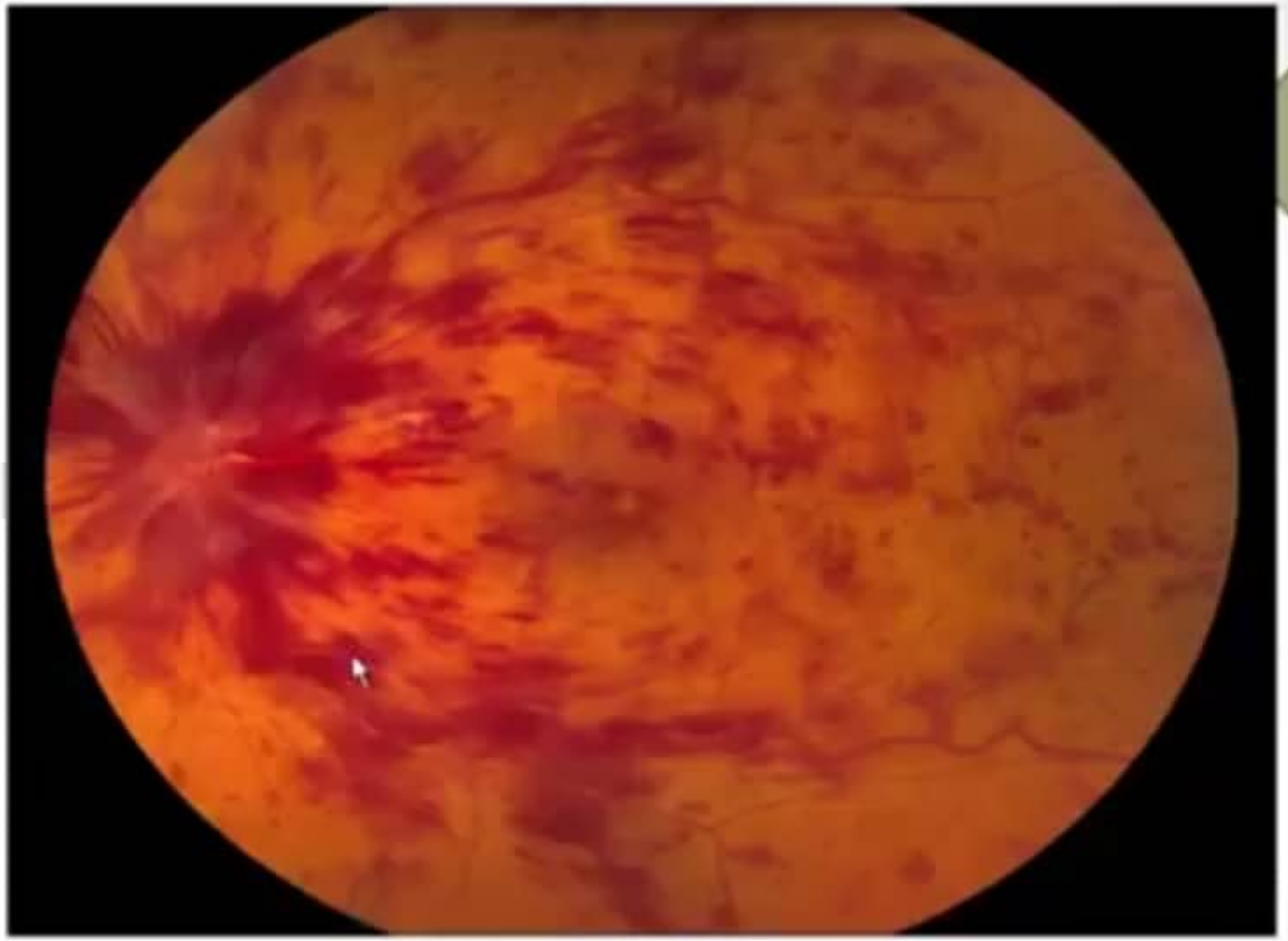
الممسوحة ضوئيا بـ CamScanner



9

❖Describe the funds picture of the Rt. eye

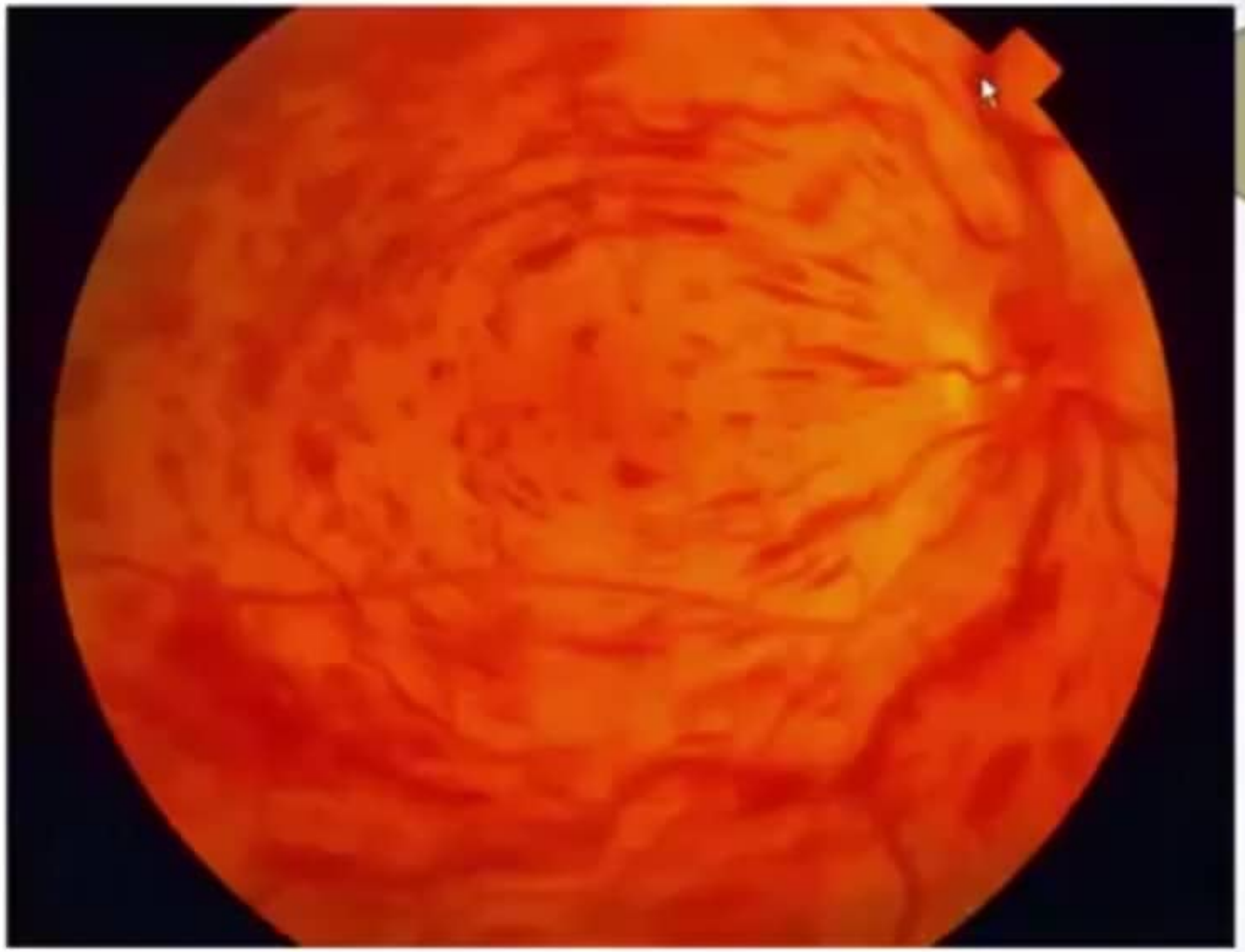
الممسوحة ضوئيا بـ CamScanner



10

- Describe what you can see in this picture
- This condition commonly occurs in persons with……

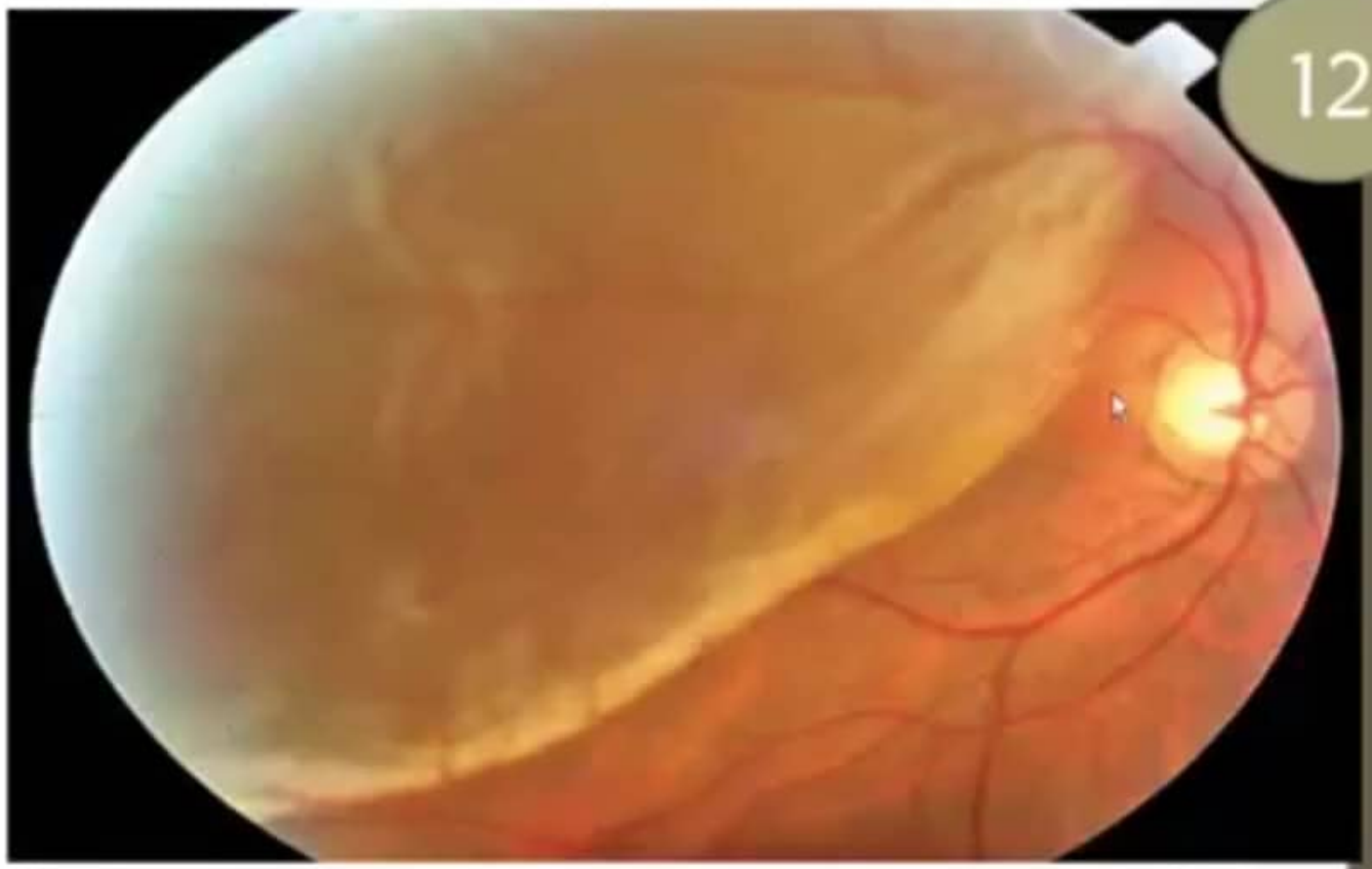
الممسوحة ضوئيا بـ CamScanner



11

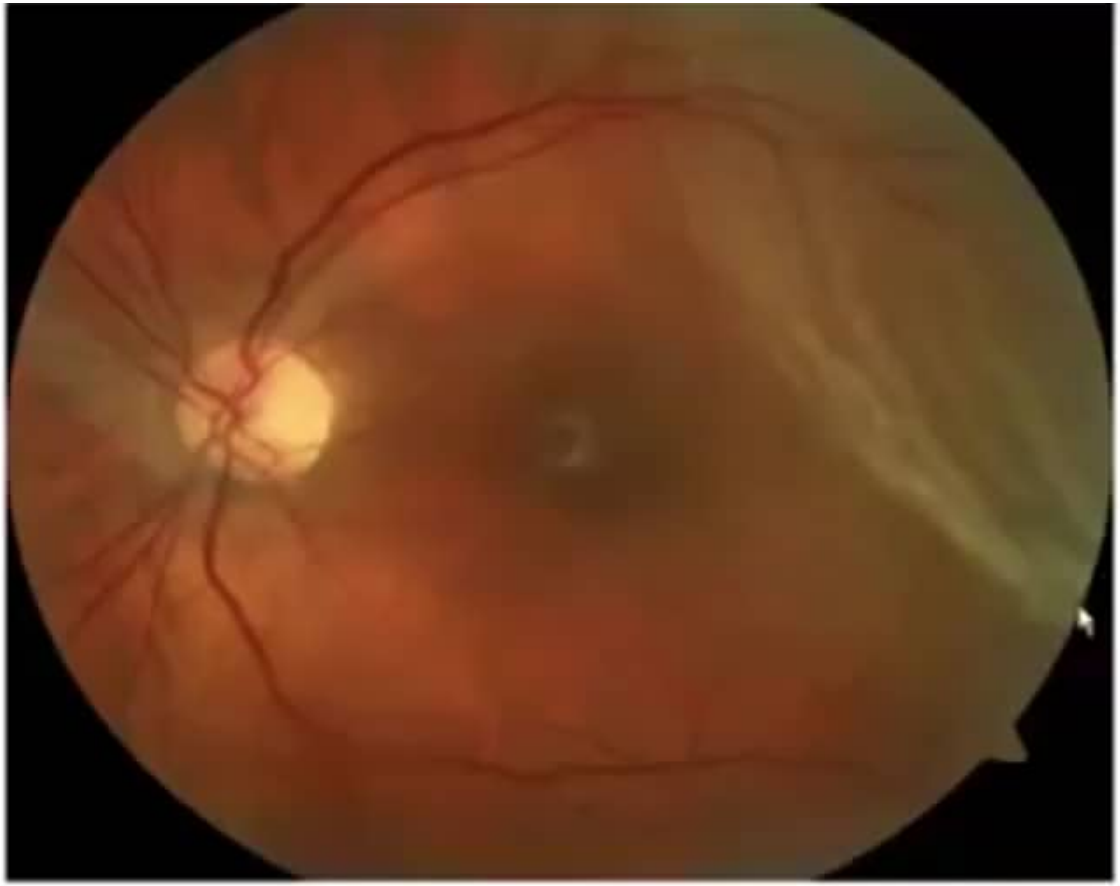
- What is your diagnosis?
- What is the usual presenting symptom?

الممسوحة ضوئيا بـ CamScanner



- What is the abnormality in this fundus picture?
- What sort of central vision is expected?

الممسوحة ضوئيا بـ CamScanner



❖**What are the symptoms of RD ?**

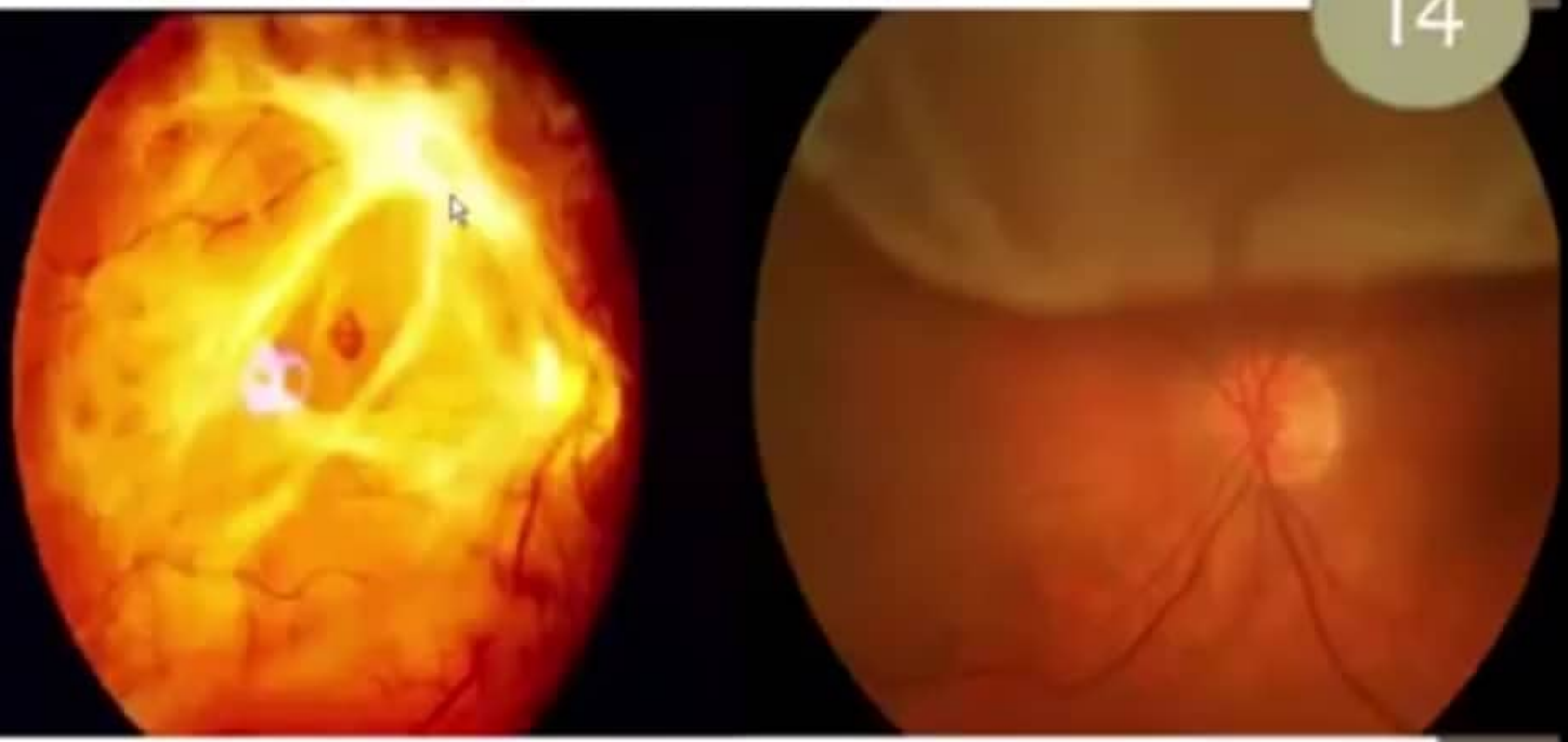
1) ……

2) ……

3) ……

الممسوحة ضوئيا بـ CamScanner

14

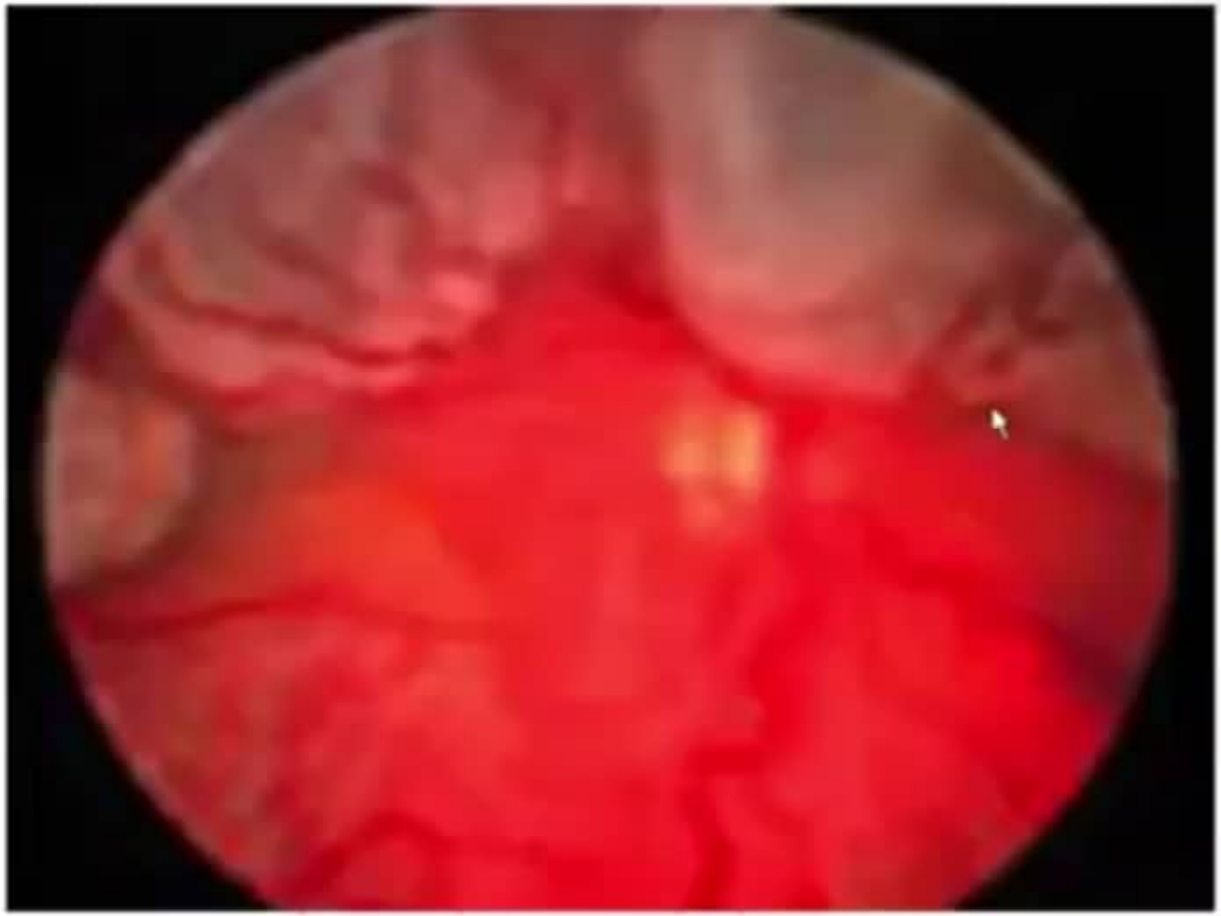


- What is the diagnosis?
- Mention the types?

الممسوحة ضوئيا بـ CamScanner

❖What is the definition of this disease ?

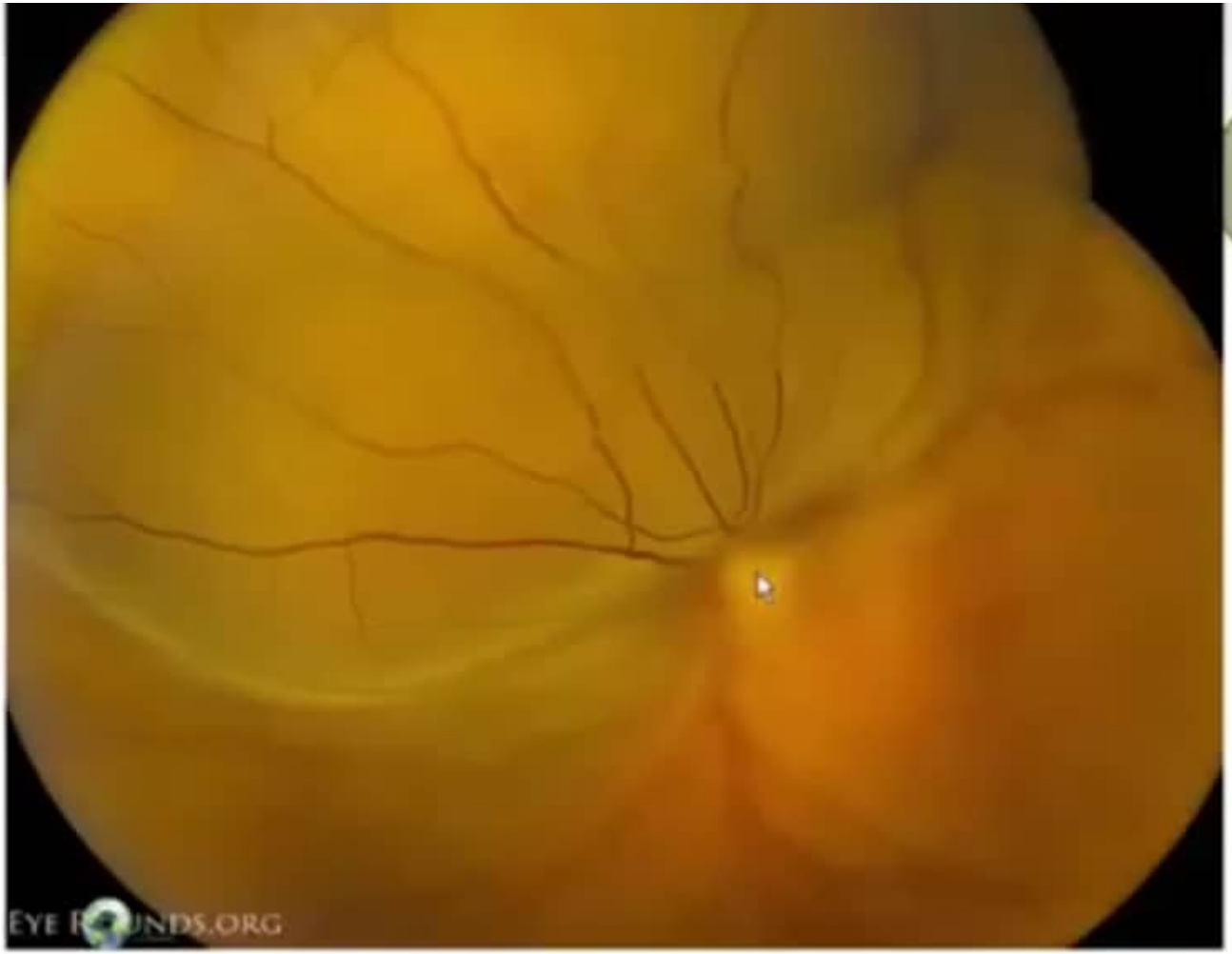
الممسوحة ضوئيا بـ CamScanner



16

❖What are the types of retinal detachment ?

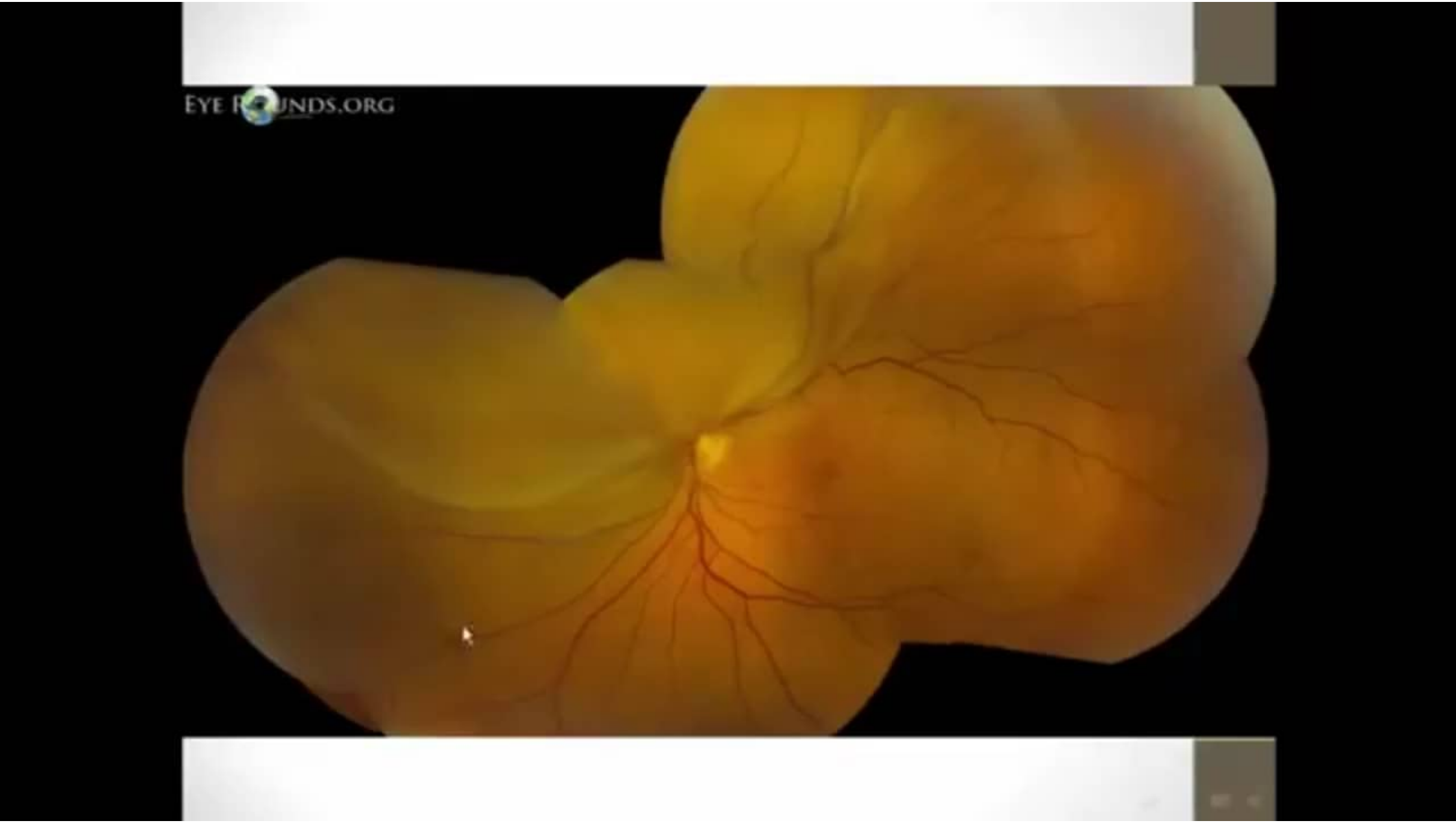
الممسوحة ضوئيا بـ CamScanner



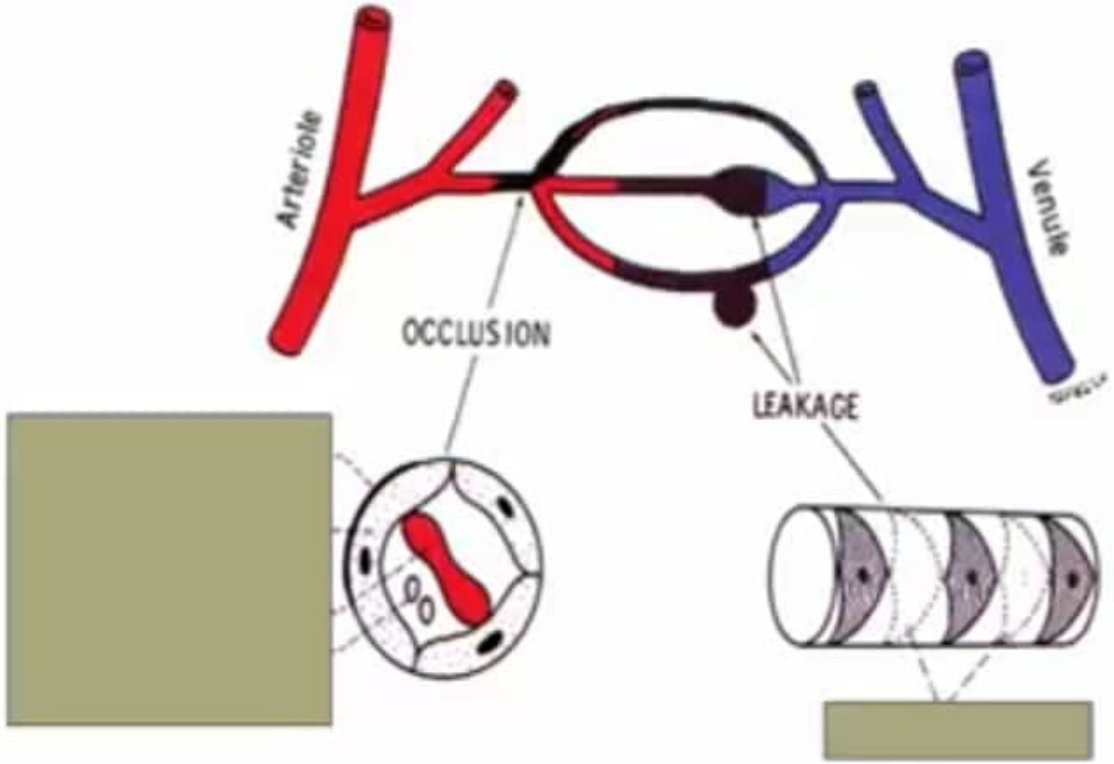
17

- What is the diagnosis?
- Mention three types of this condition?

الممسوحة ضوئيا بـ CamScanner



الممسوحة ضوئيا بـ CamScanner



❖What are the pathological changes of diabetic retinopathy ?

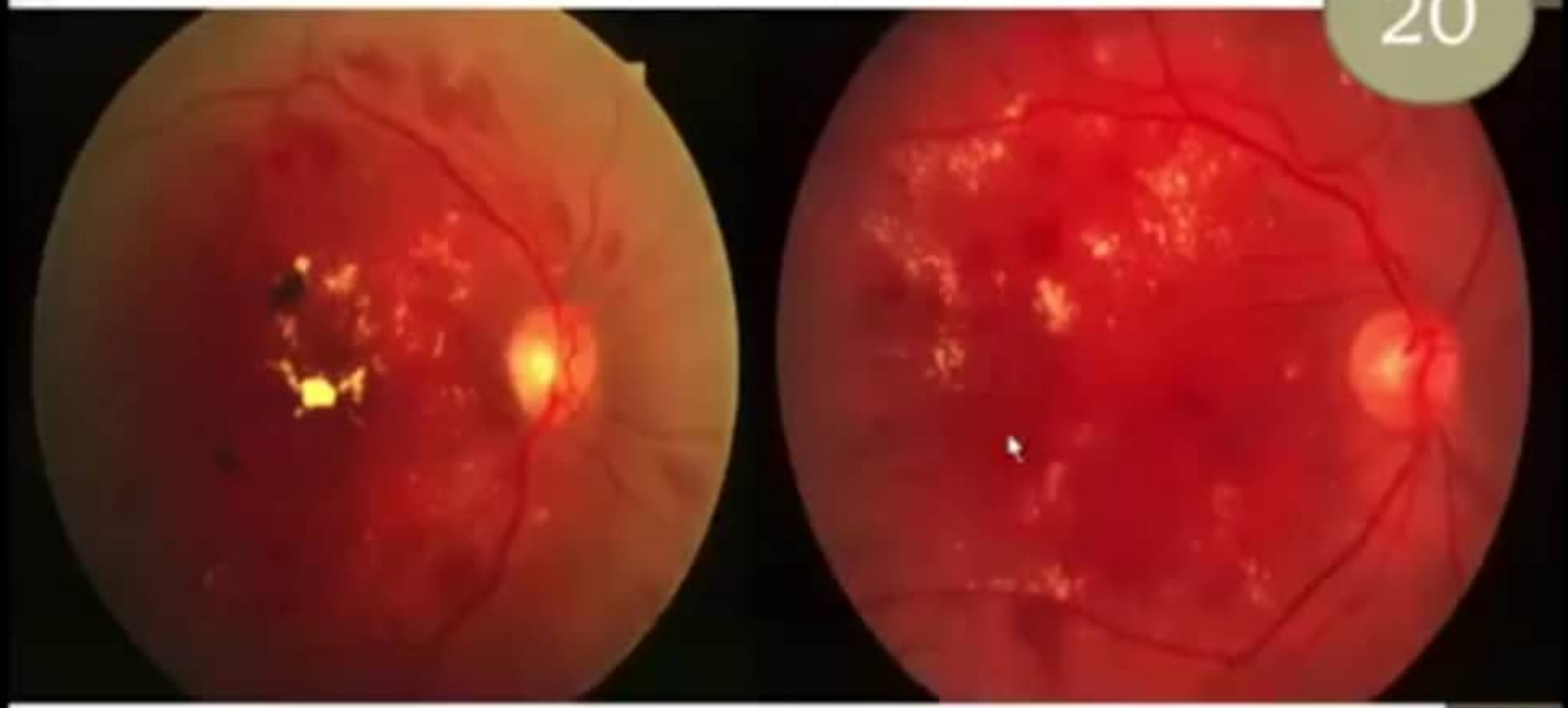
الممسوحة ضوئيا بـ CamScanner

19

- What are the findings ?
- What are the stages of such condition?
- What is the helpful investigation usually done before we decide laser ttt ?

الممسوحة ضوئيا بـ CamScanner

20

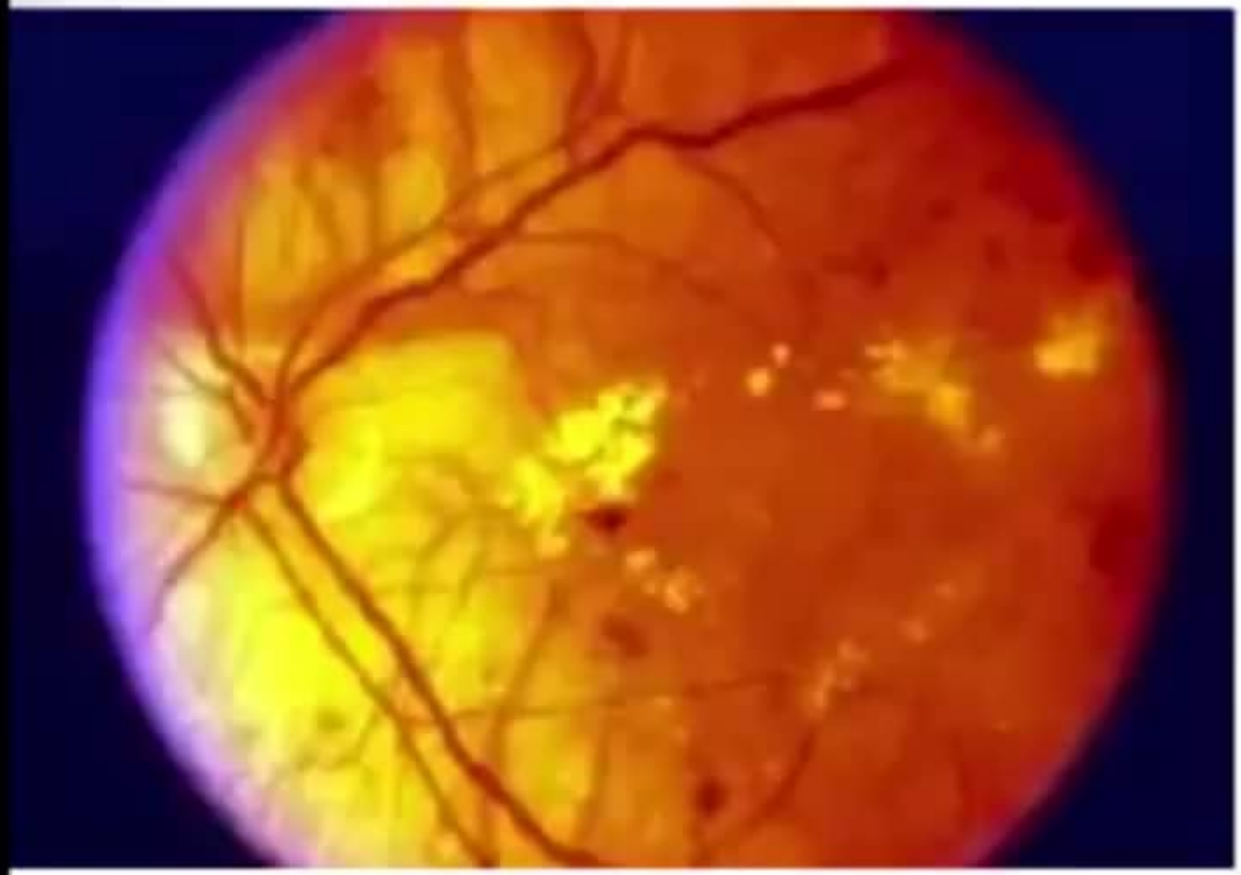


- Mention your findings?
- What are the stages of diabetic retinopathy?

الممسوحة ضوئيا بـ CamScanner

- What is the Diagnosis ?
- What is the Treatment ?

الممسوحة ضوئيا بـ CamScanner



- Mention the findings?
- Classify the stages of diabetic retinopathy ?

الممسوحة ضوئيا بـ CamScanner

- In retinoblastoma the child commonly presents with……
- Mention the treatment options

الممسوحة ضوئيا بـ CamScanner

24

- What is your diagnosis ?
- Mention 3 other differential diagnosis?

الممسوحة ضوئيا بـ CamScanner

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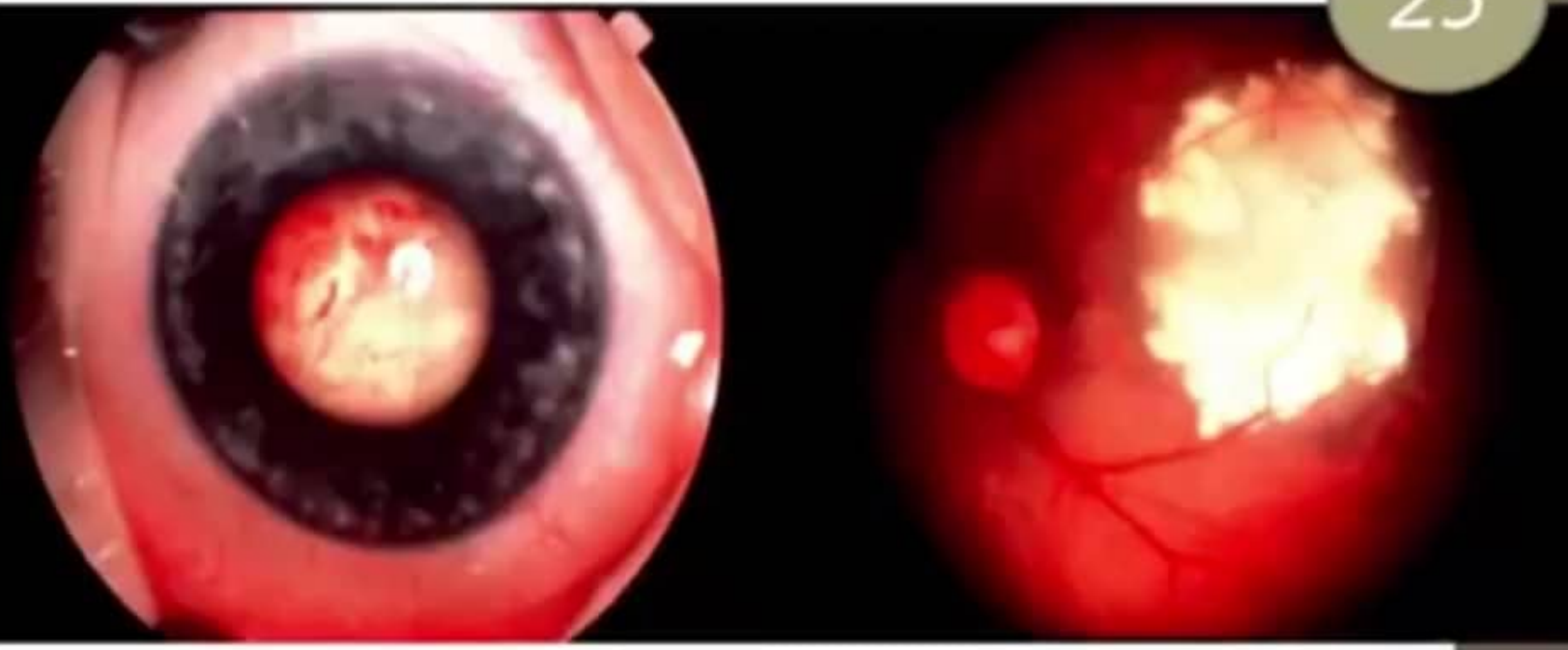


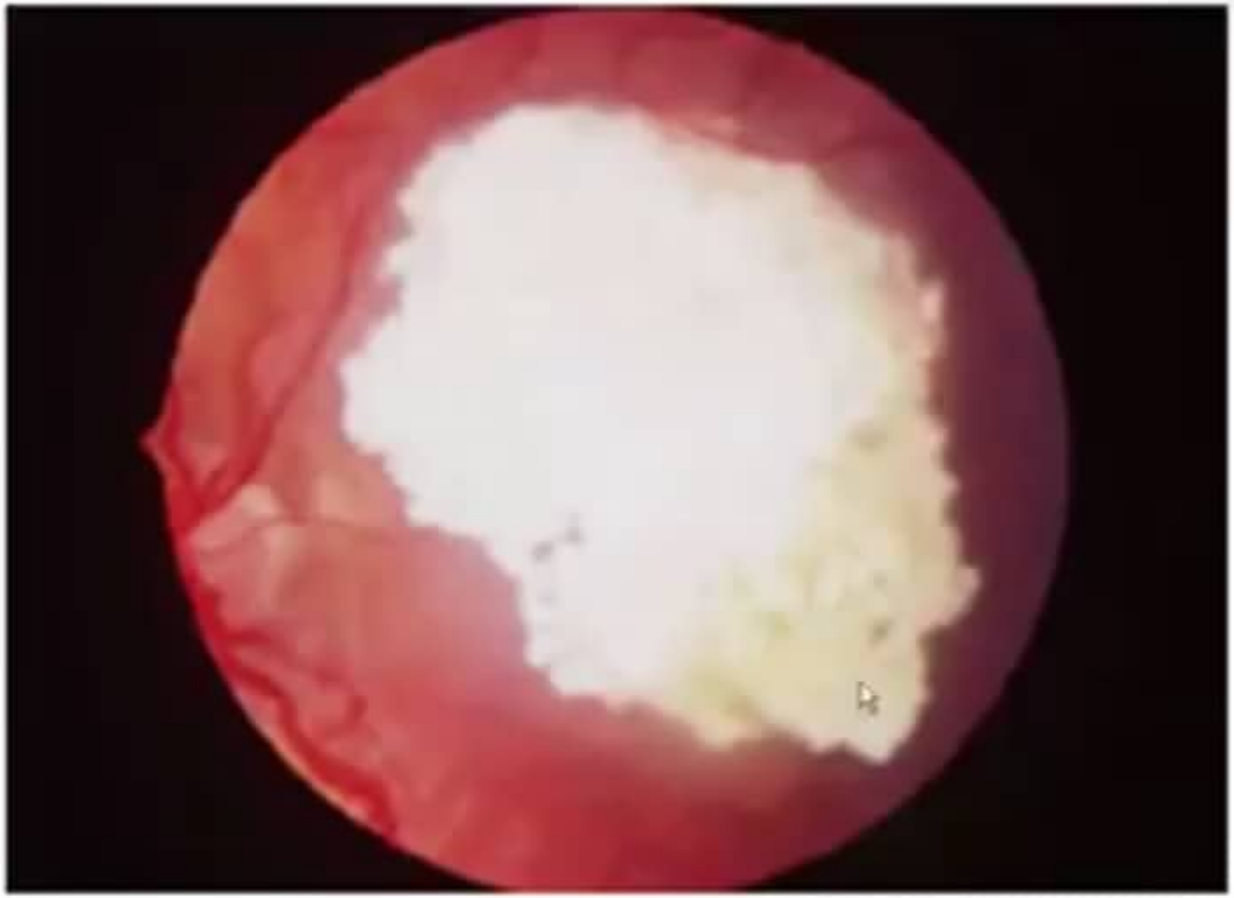
❖Mention two of the poor prognostic factors of Retinoblastoma ?

الممسوحة ضوئيا بـ CamScanner

26

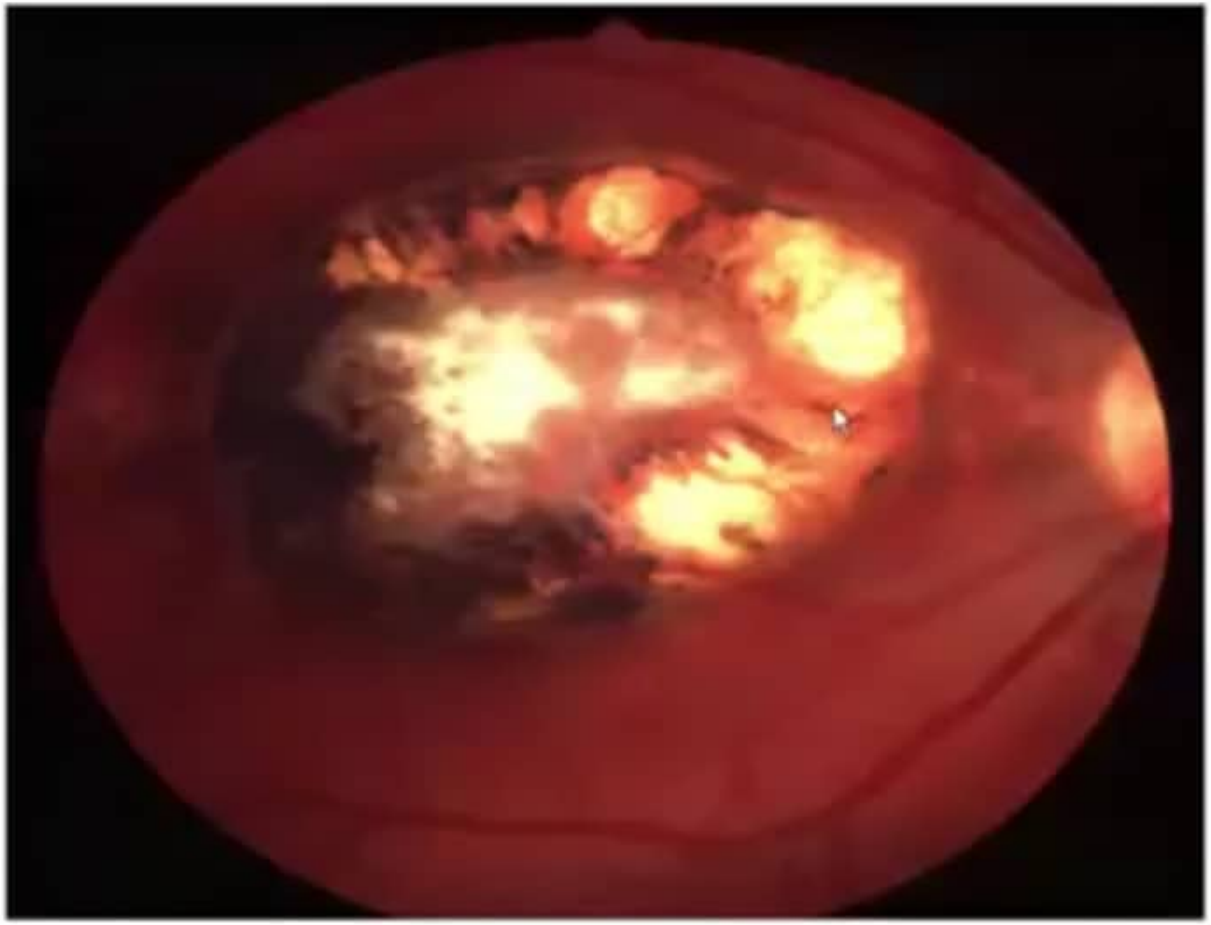
- What could be the diagnosis?
- Mention 3 presenting signs for such condition?

الممسوحة ضوئيا بـ CamScanner



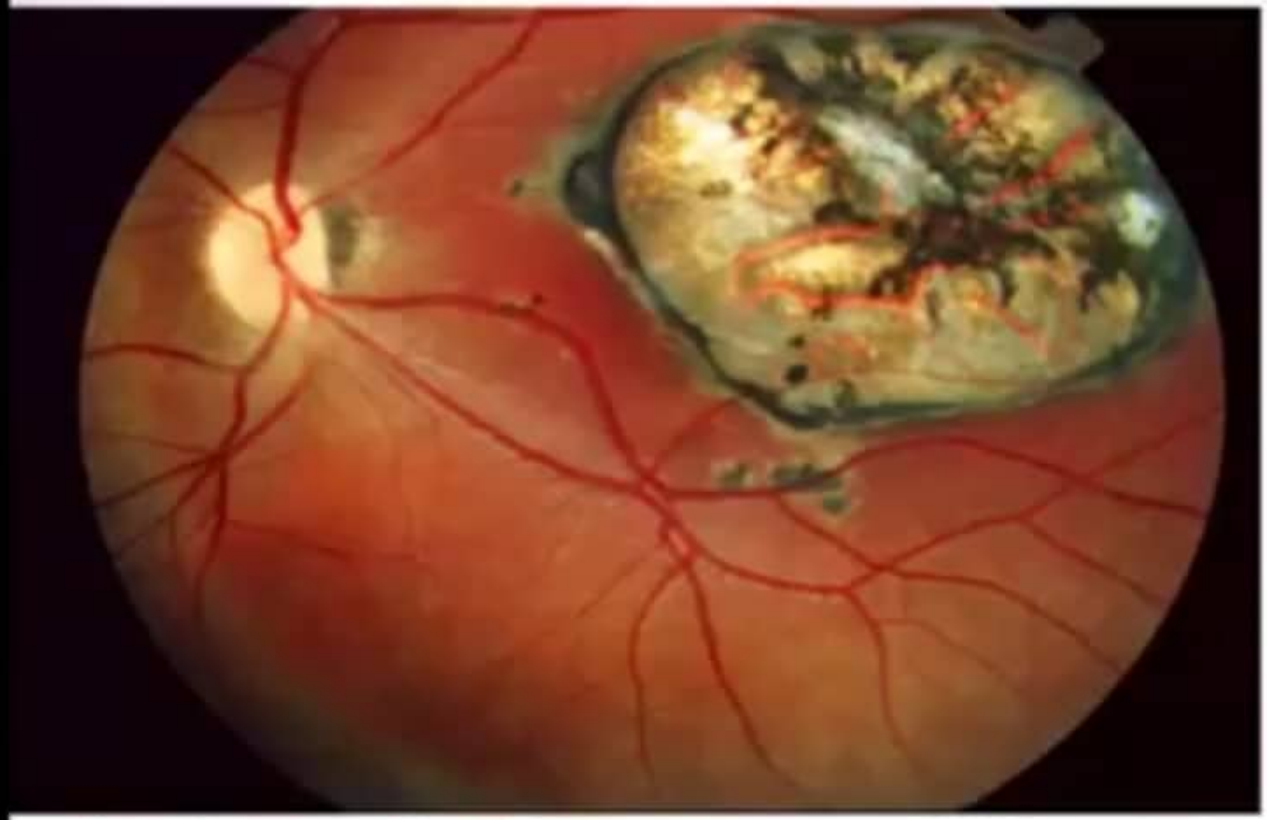
- Retinoblastoma is the tumour of the.....
- What are you going to see in the plain x-ray ?

الممسوحة ضوئيا بـ CamScanner



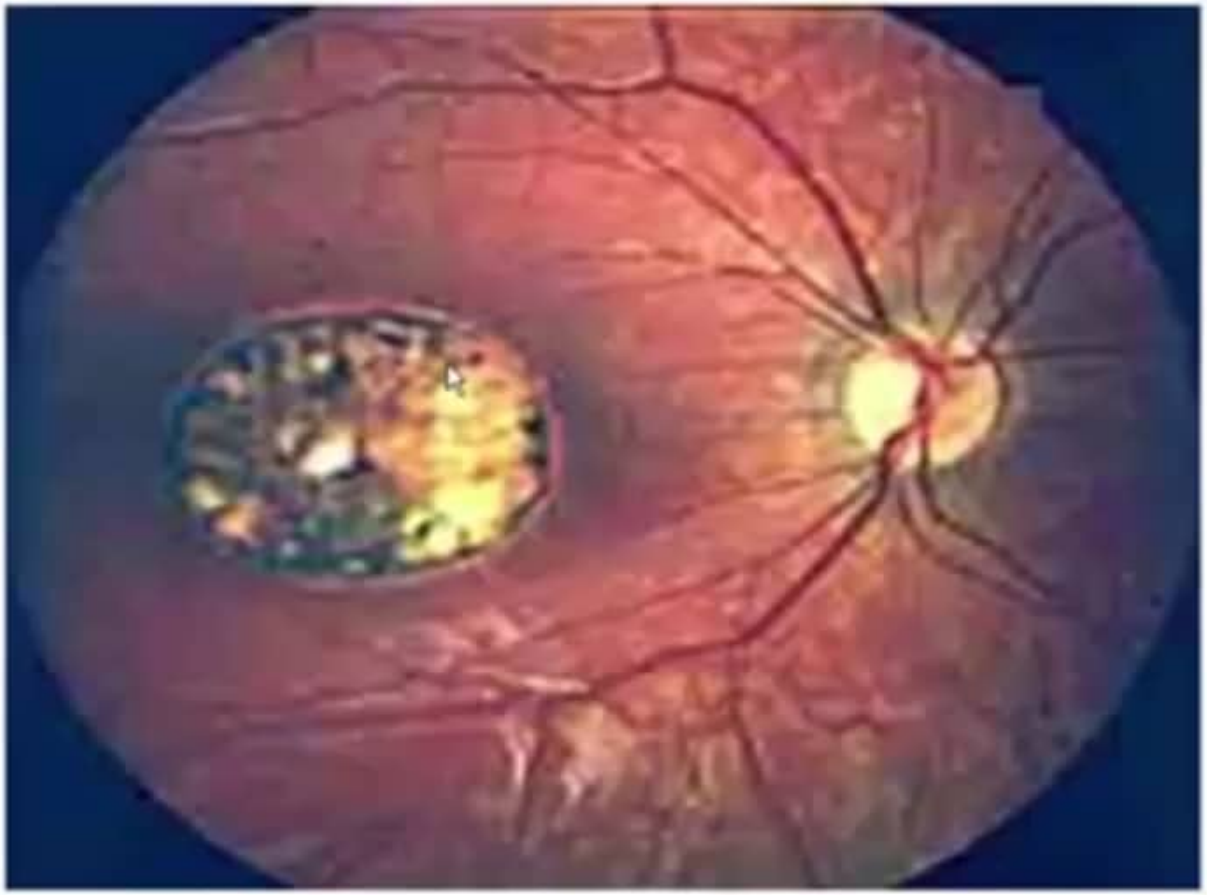
❖What organism cause this ?

الممسوحة ضوئيا بـ CamScanner



- What is the finding ?
- What type of parasite is usually associated with & mention one type of drugs used to treat it ?

الممسوحة ضوئيا بـ CamScanner



30

- Ocular toxoplasmosis caused by ……
- Briefly what is the treatment ?

الممسوحة ضوئيا بـ CamScanner

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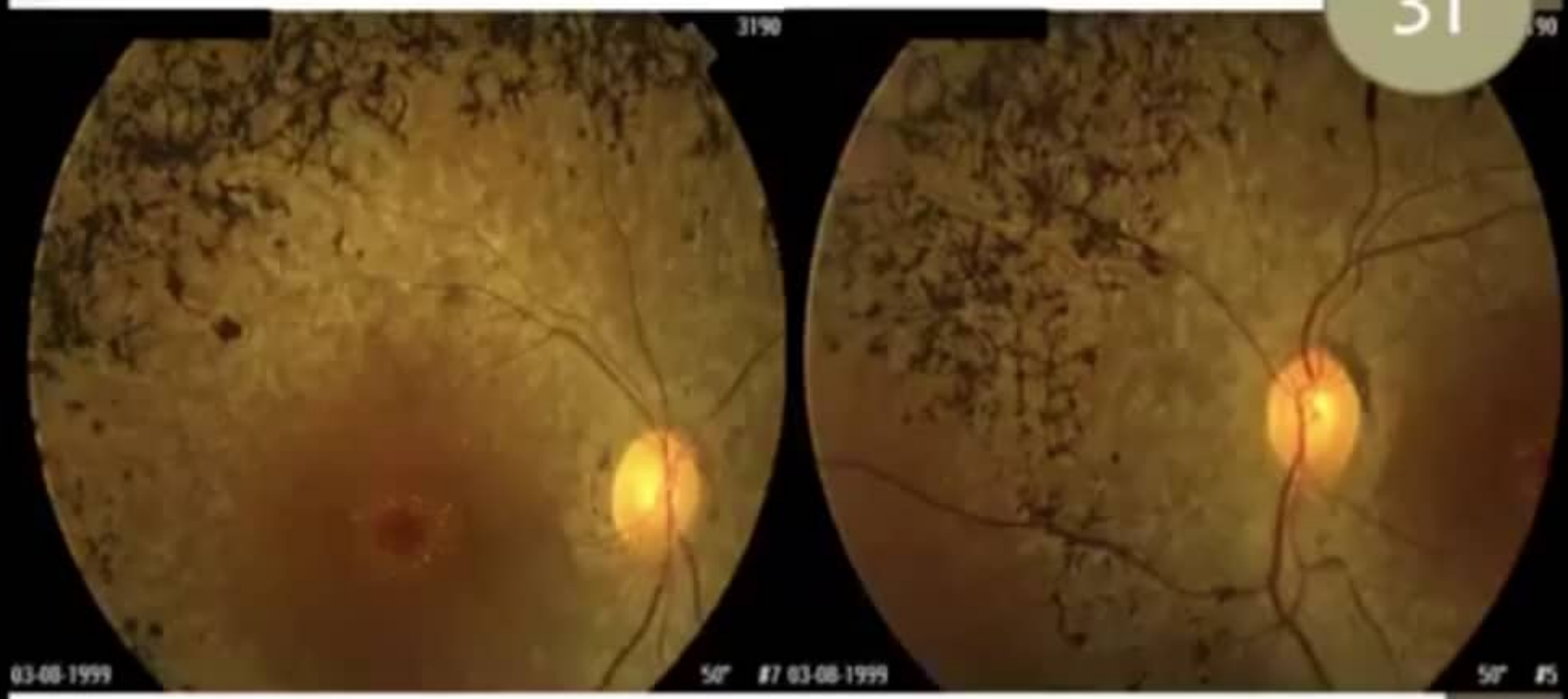
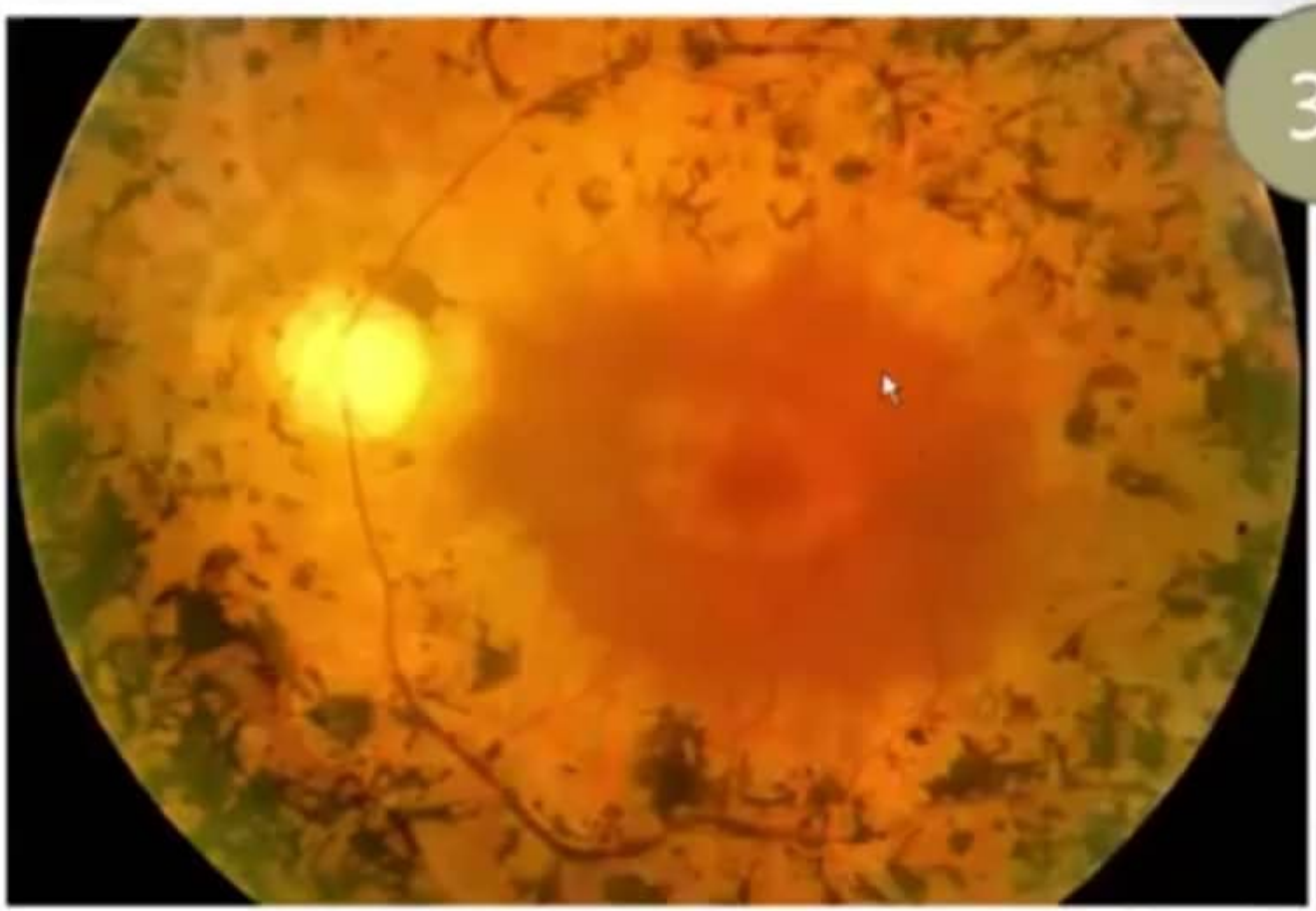


- What is the diagnosis?
- Mention 3 clinical signs?

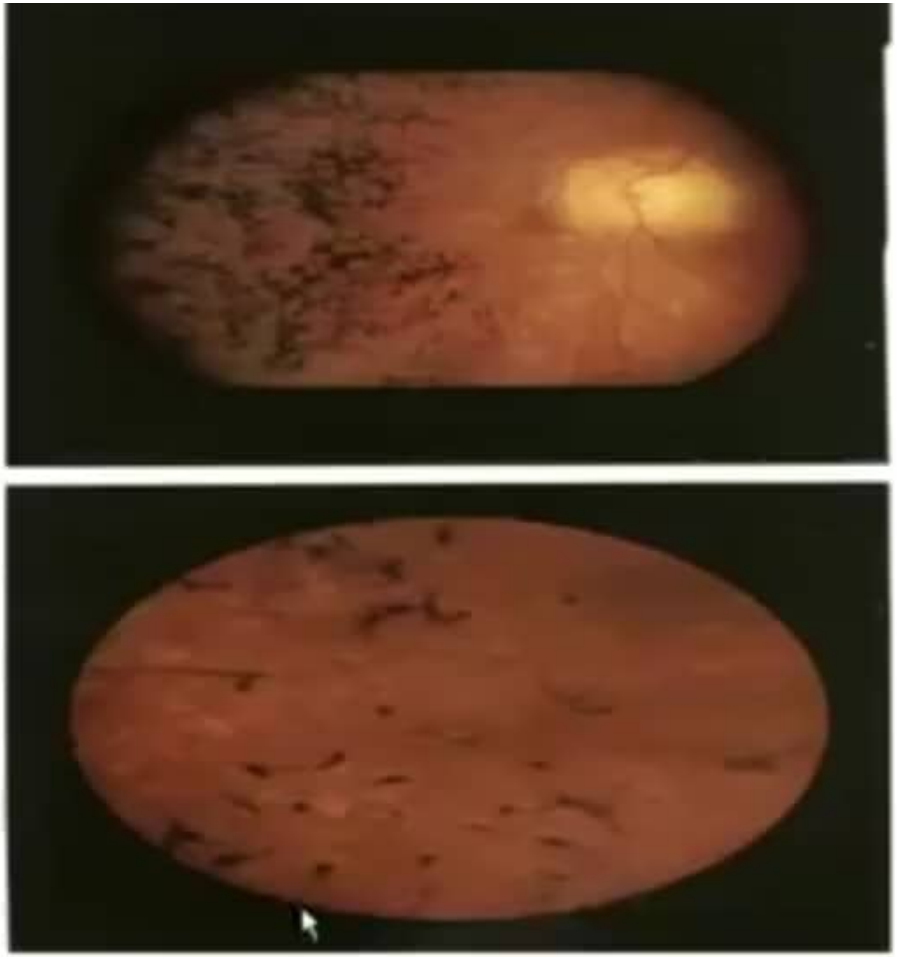
الممسوحة ضوئيا بـ CamScanner



32

- What are the mode of inheritance of this disease ?

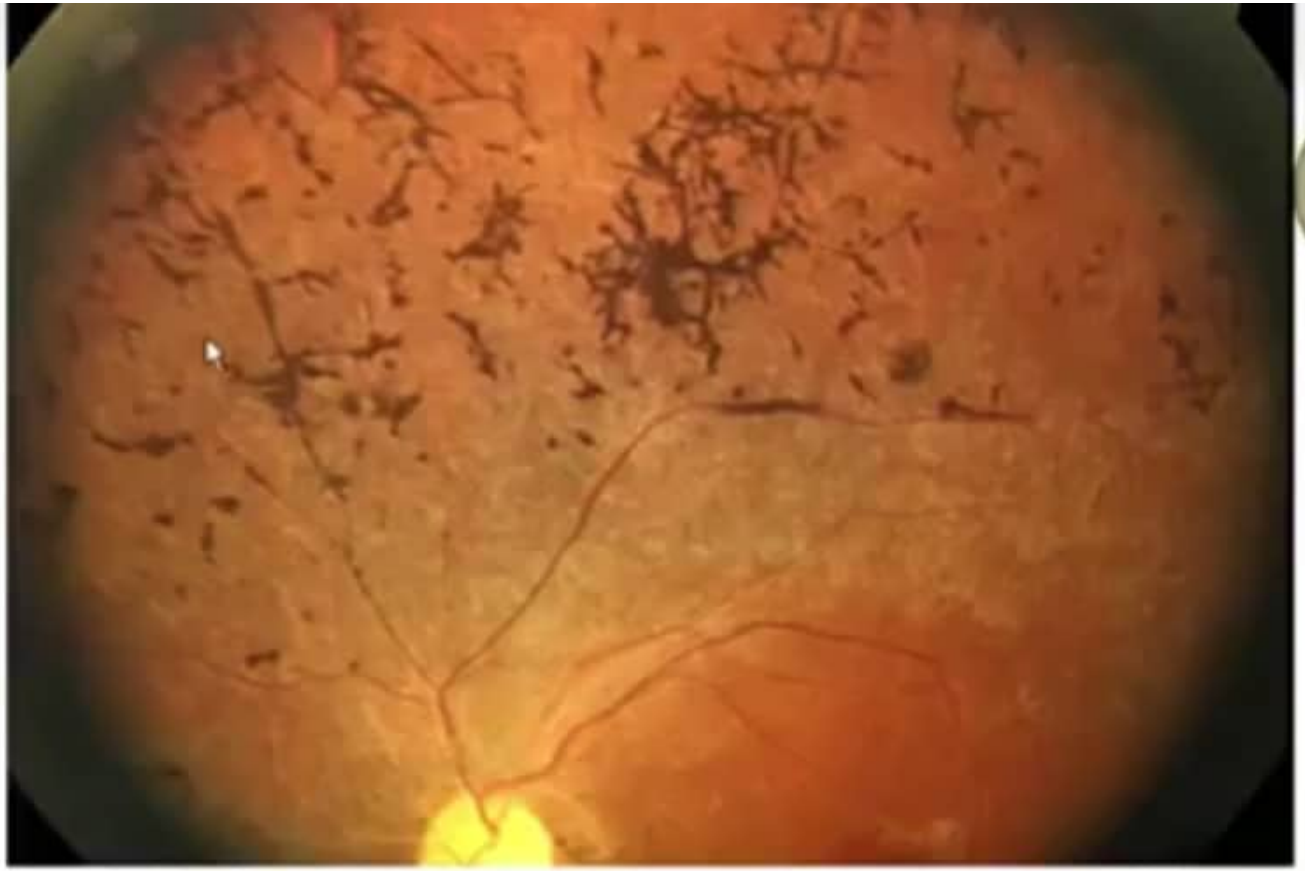
الممسوحة ضوئيا بـ CamScanner



33

- What is this ?
- The main complaint is ?
- What layer of the retina is affected ?

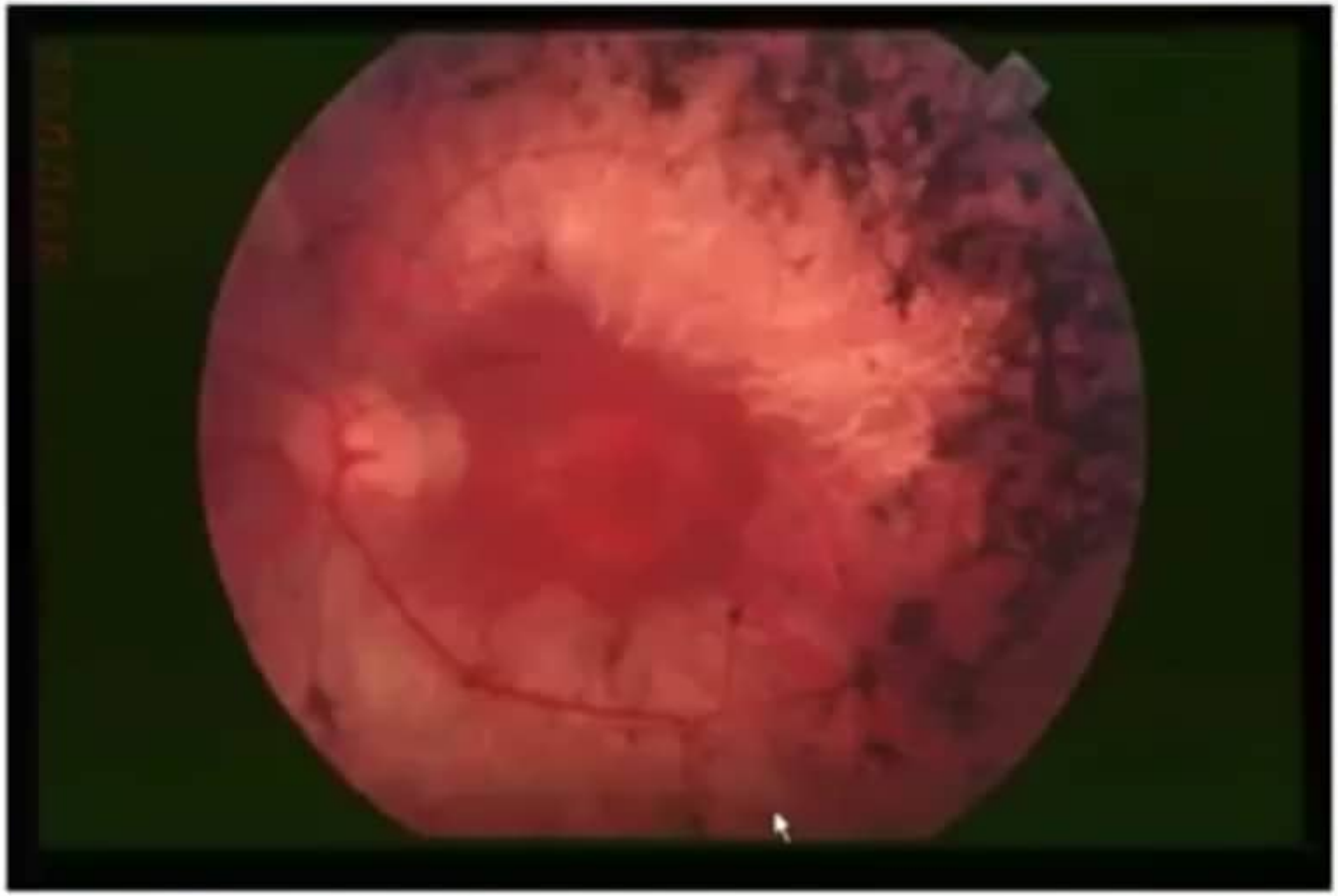
الممسوحة ضوئيا بـ CamScanner



34

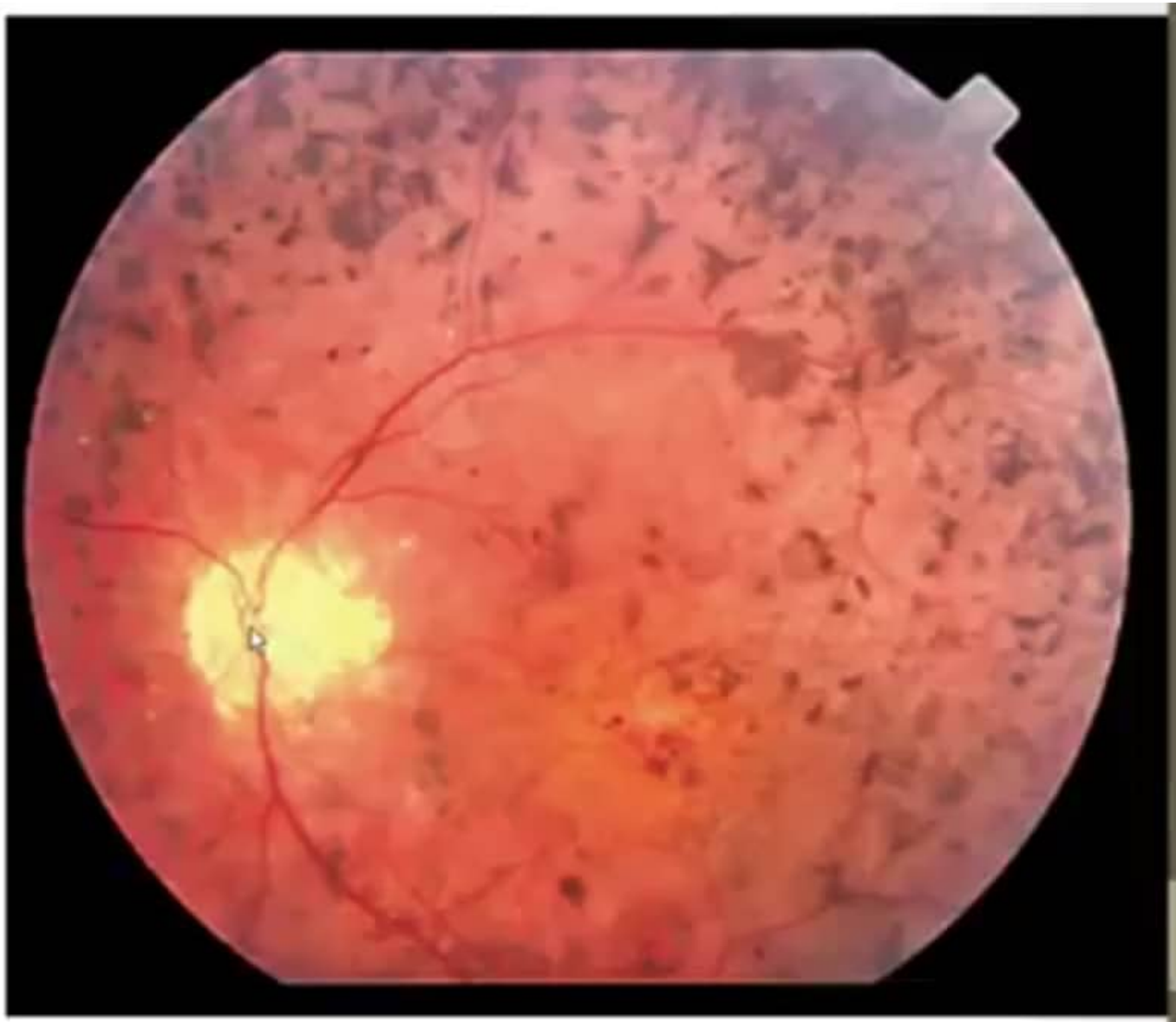
- What is the diagnosis?
- Mention one diagnostic test?

الممسوحة ضوئيا بـ CamScanner



❖How should one manage patients with retinitis pigmentosa ?

الممسوحة ضوئيا بـ CamScanner



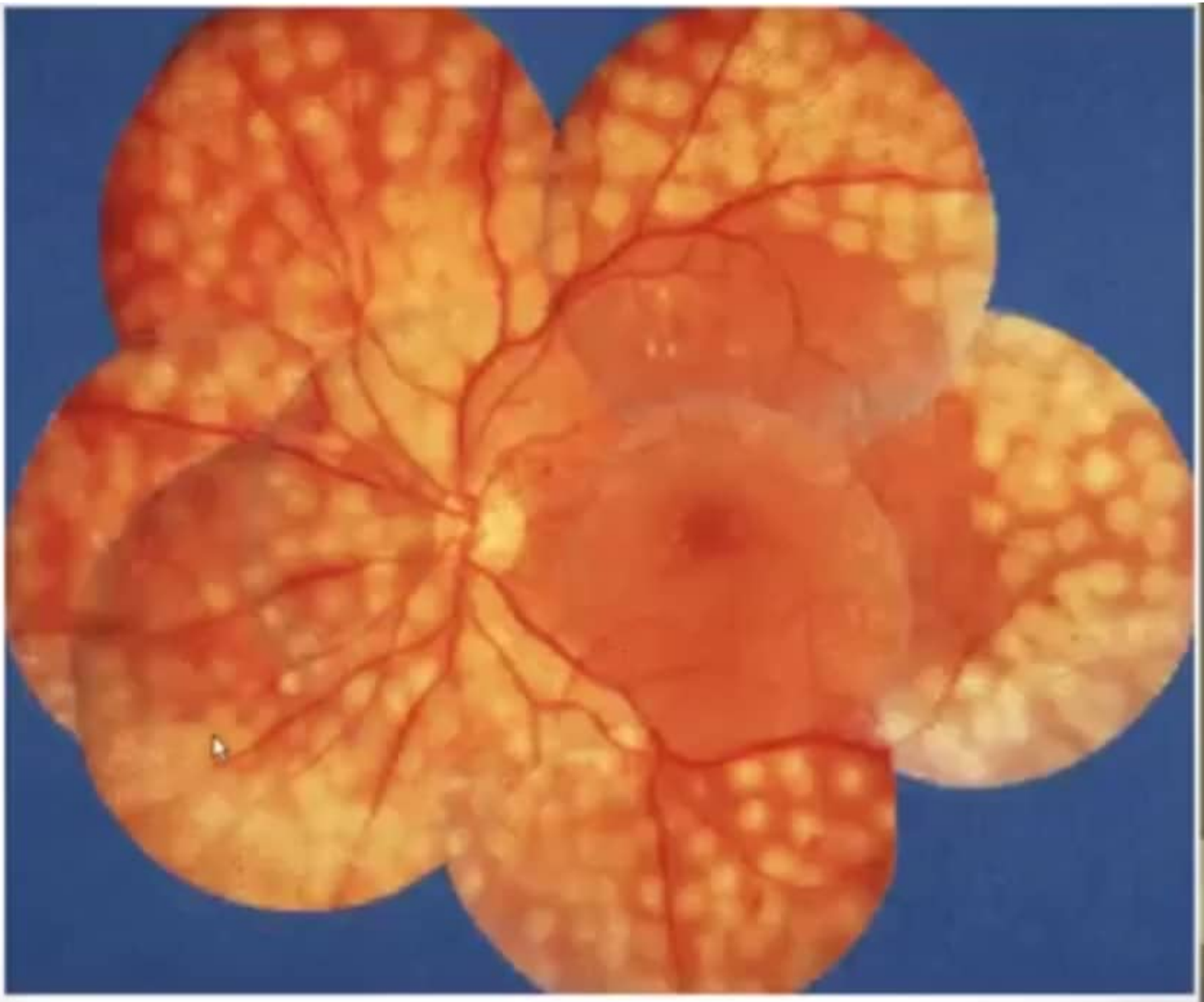
الممسوحة ضوئيا بـ CamScanner

36

In this slide you can see white and black spots

- What are they ?
- Which type ?

الممسوحة ضوئيا بـ CamScanner



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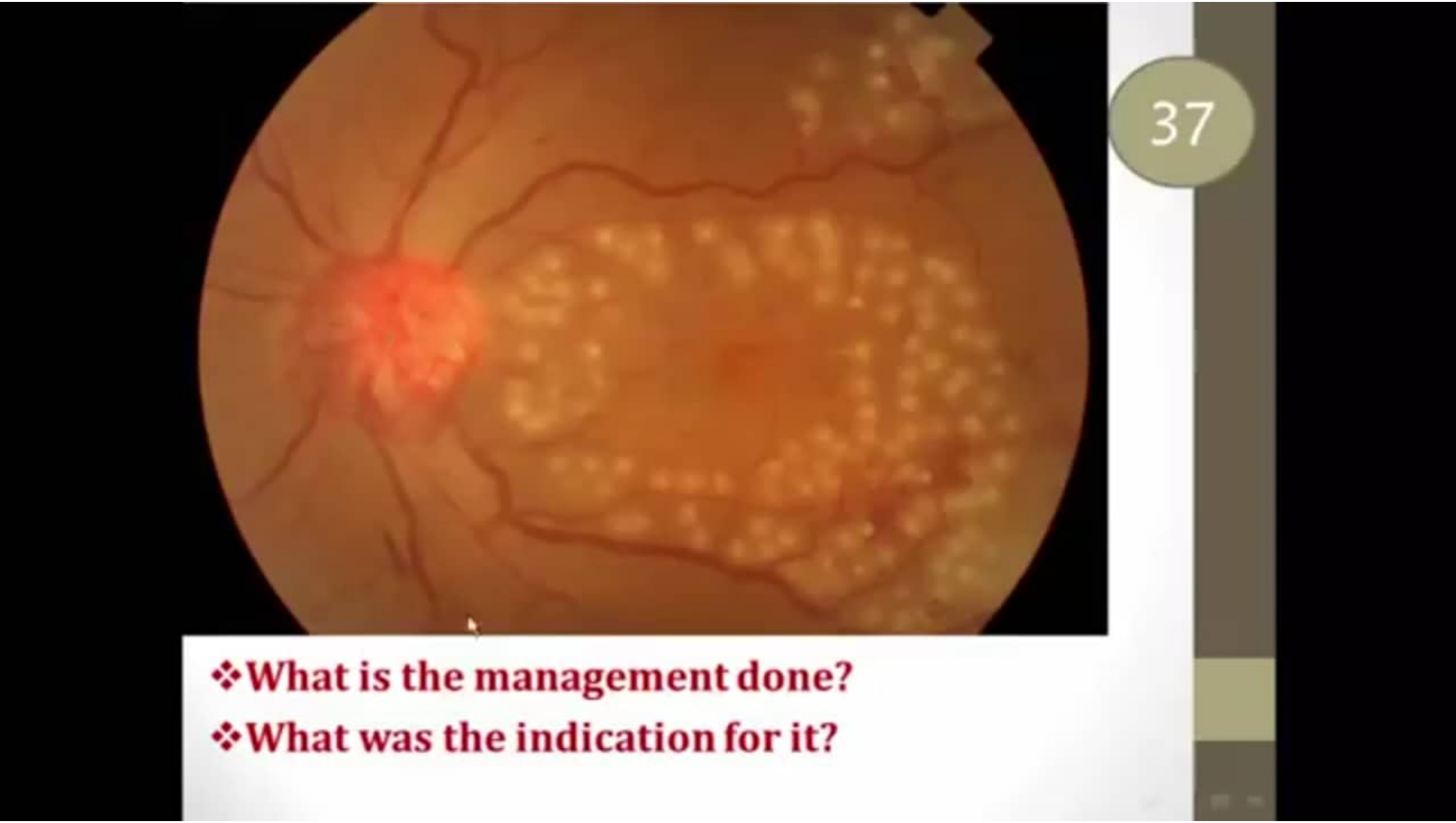

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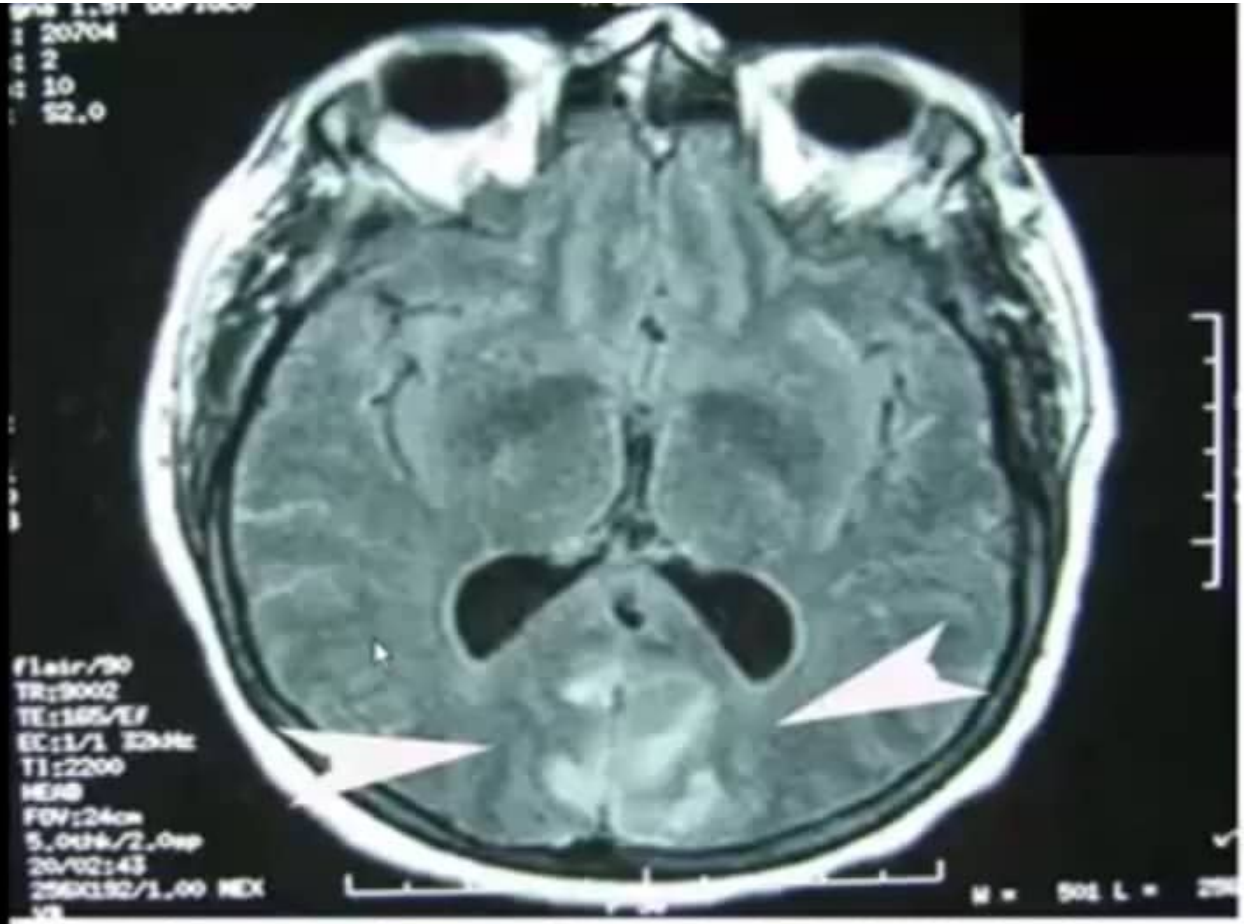
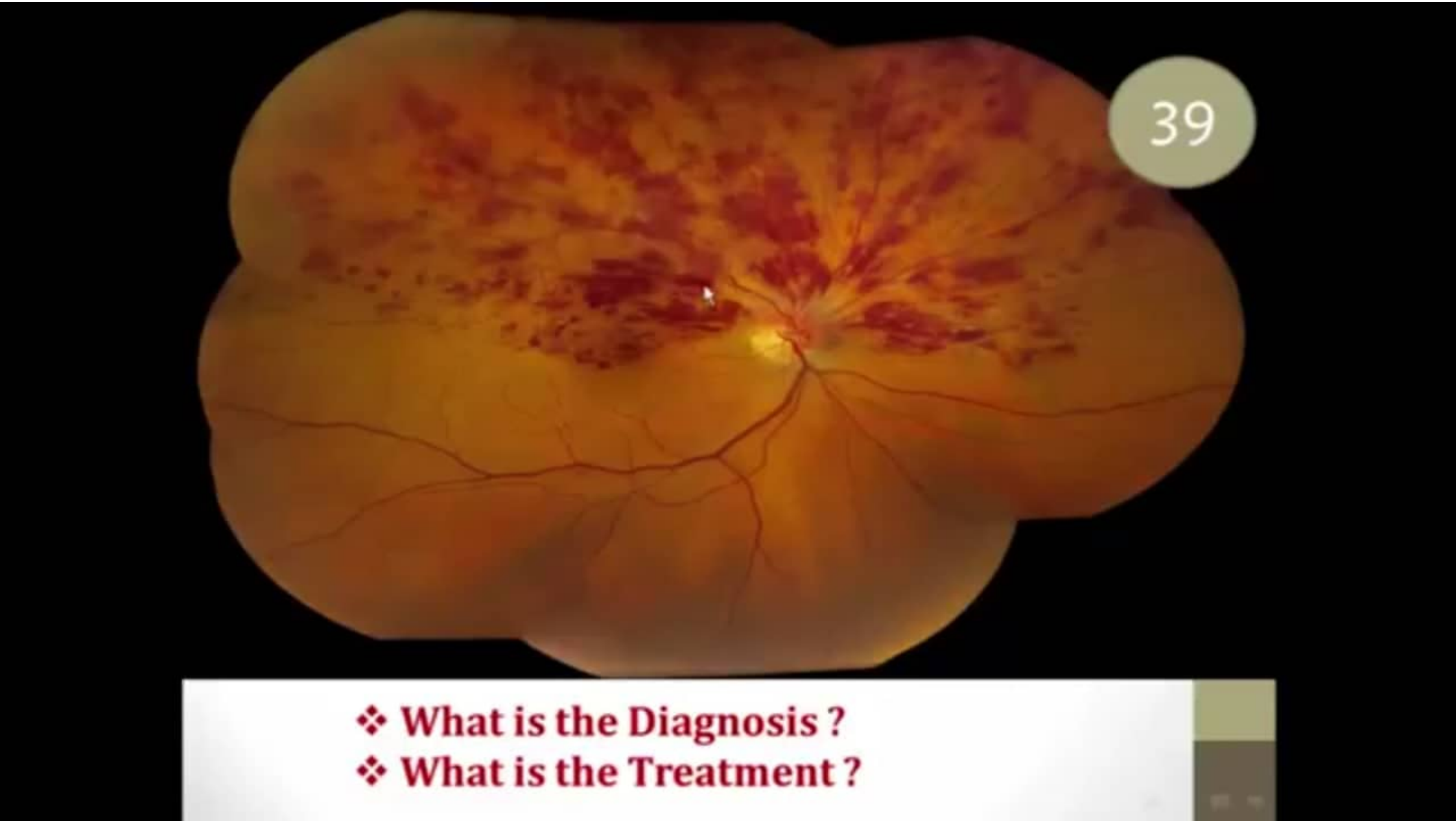


❖This patient was in coma, and on awakening he discovered that he is blind !!! Why?

الممسوحة ضوئيا بـ CamScanner



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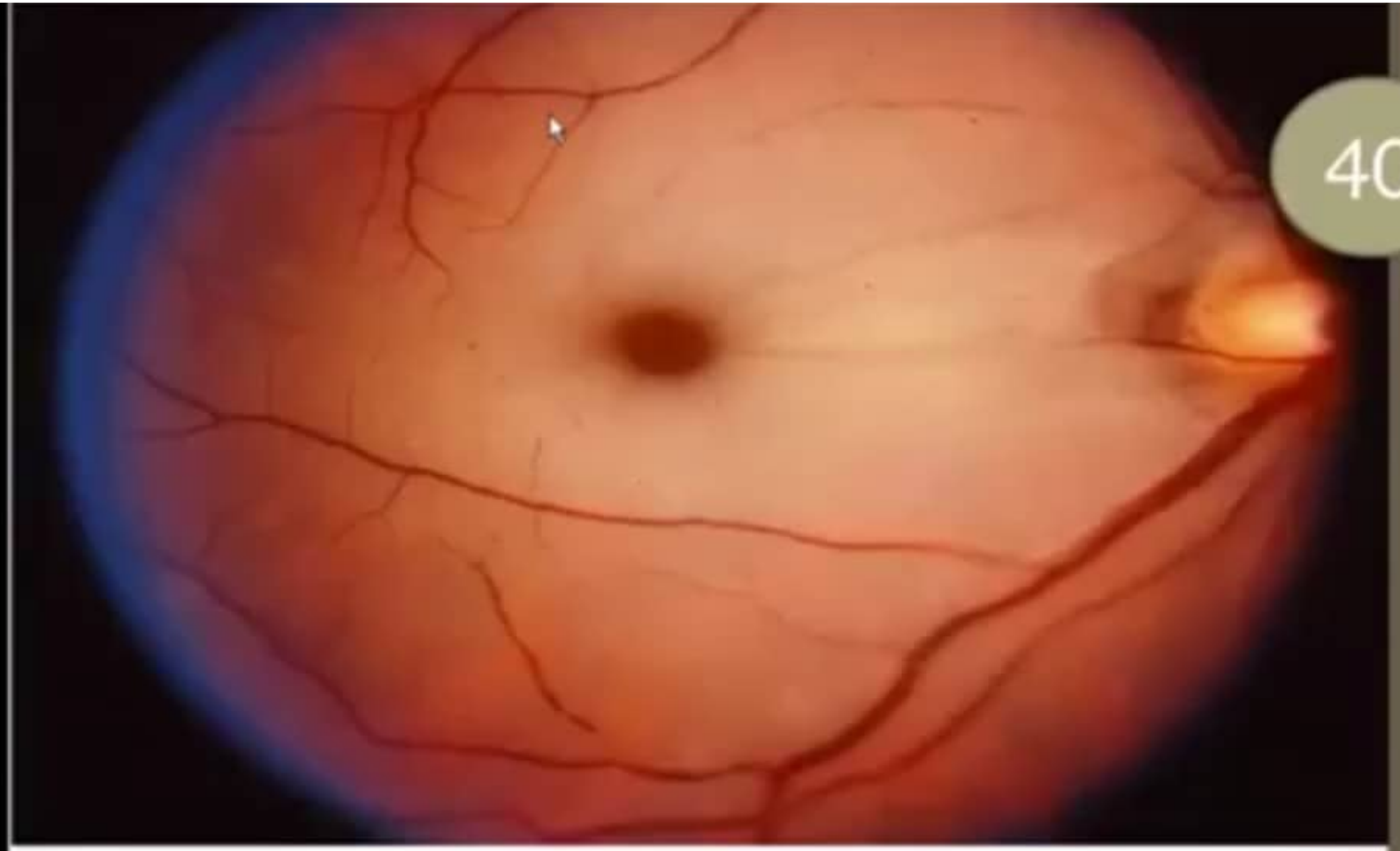


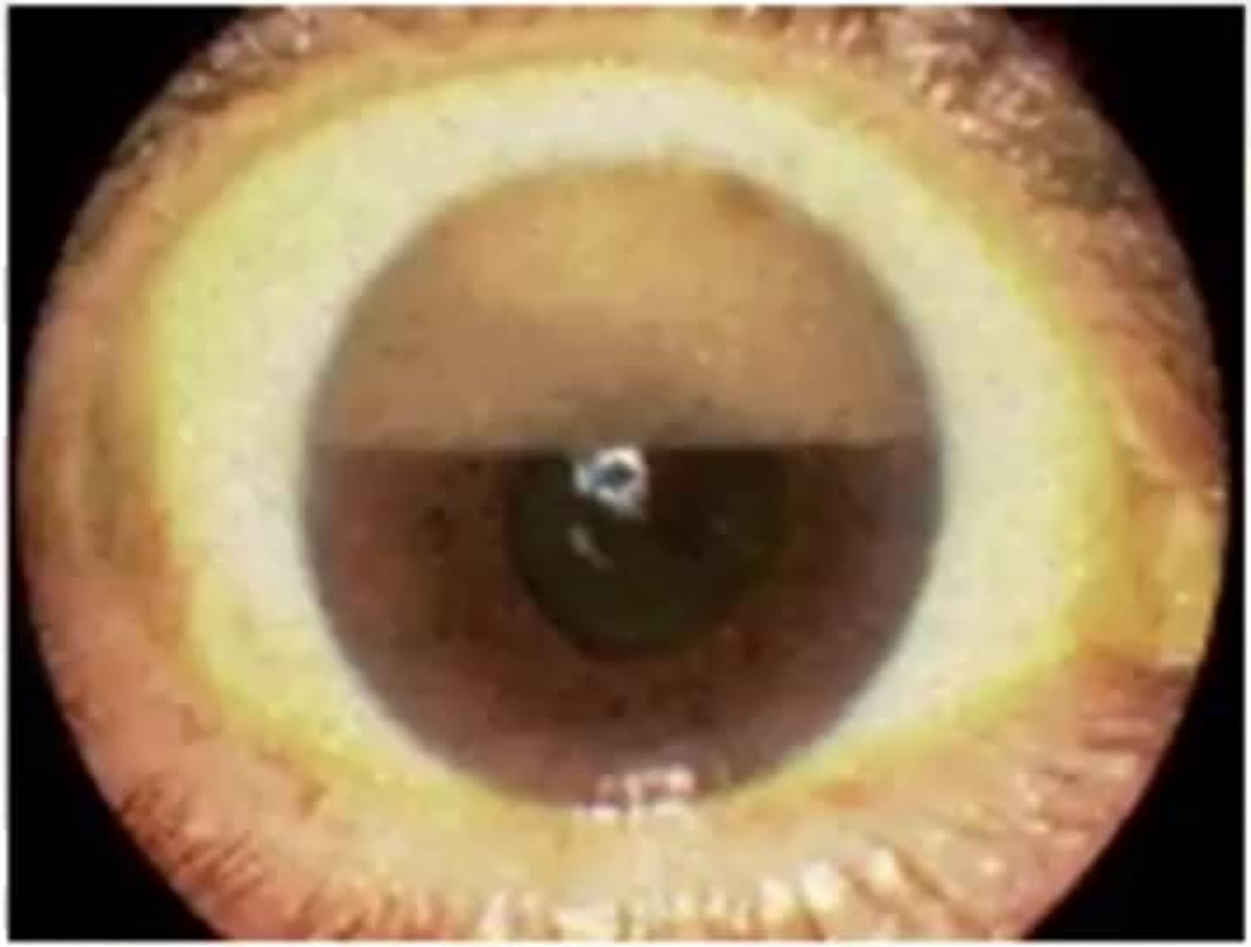
40

1. What do you call this fundus lesion?
2. Mention two important causes?

الممسوحة ضوئيا بـ CamScanner

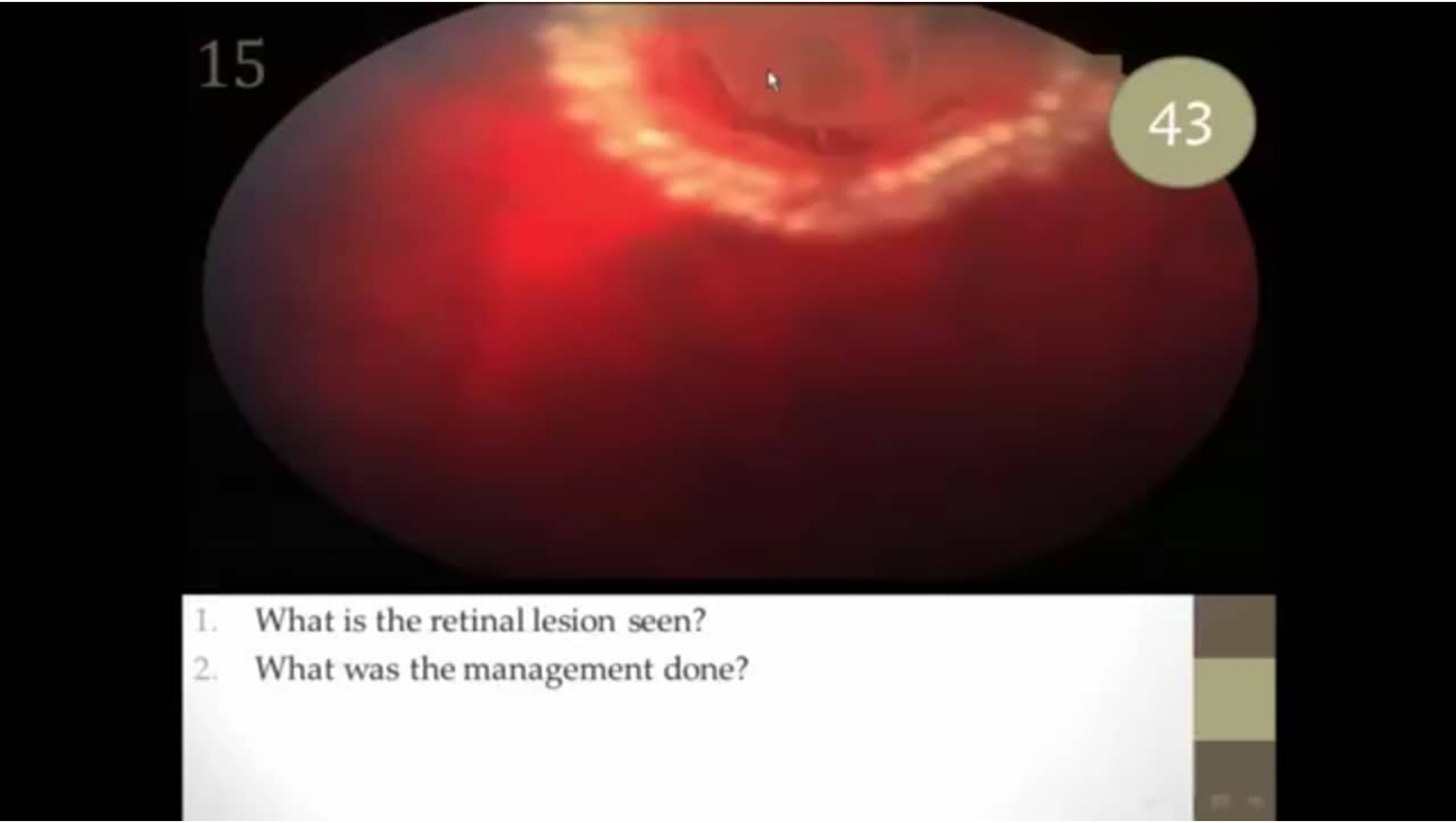
- What is the Diagnosis ?
- What is the Treatment ?

الممسوحة ضوئيا بـ CamScanner



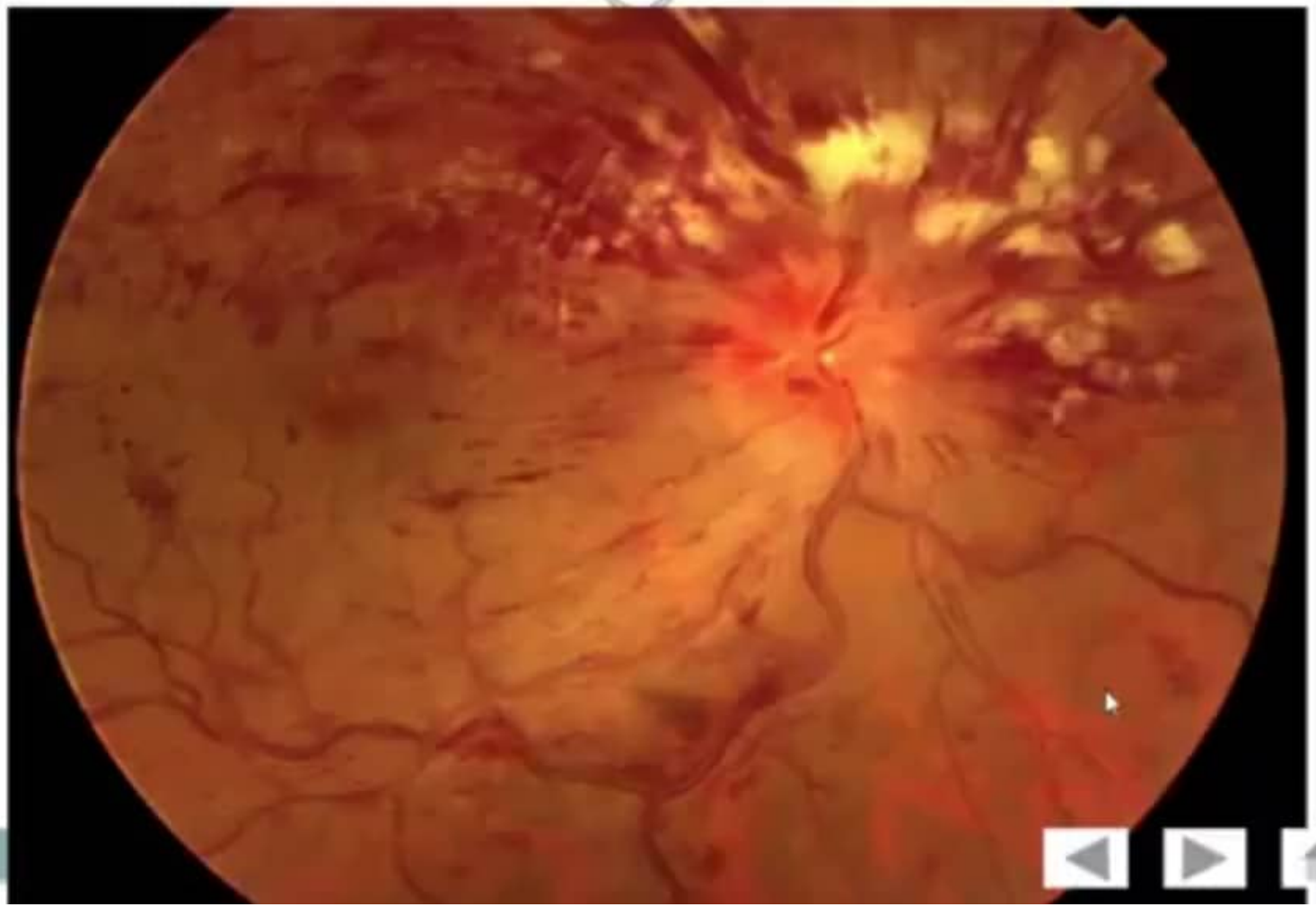
❖ What is the Diagnosis ?

الممسوحة ضوئيا بـ CamScanner



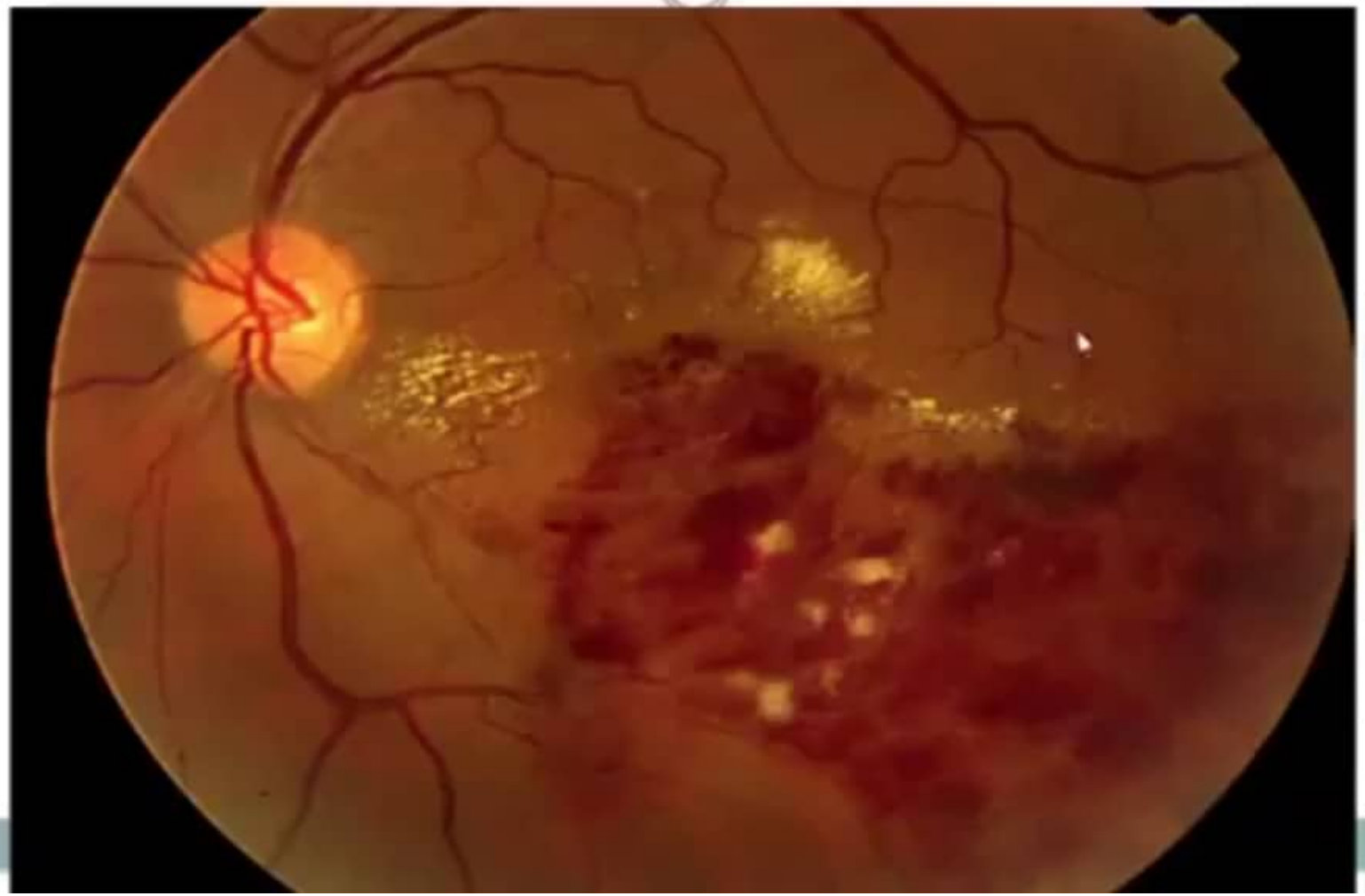
الممسوحة ضوئيا بـ CamScanner

Ischemic CRVO



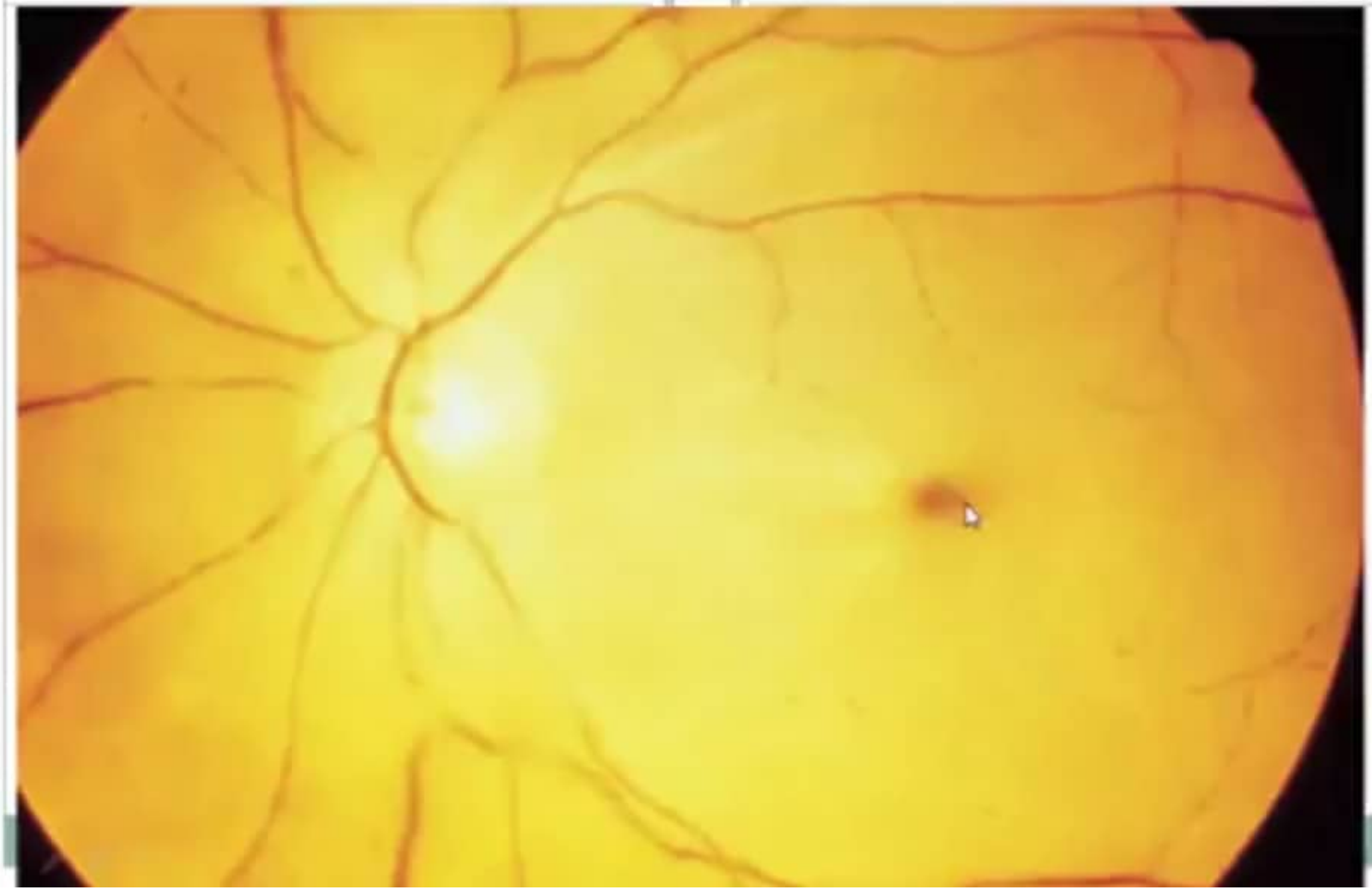
الممسوحة ضوئيا بـ CamScanner

BRVO



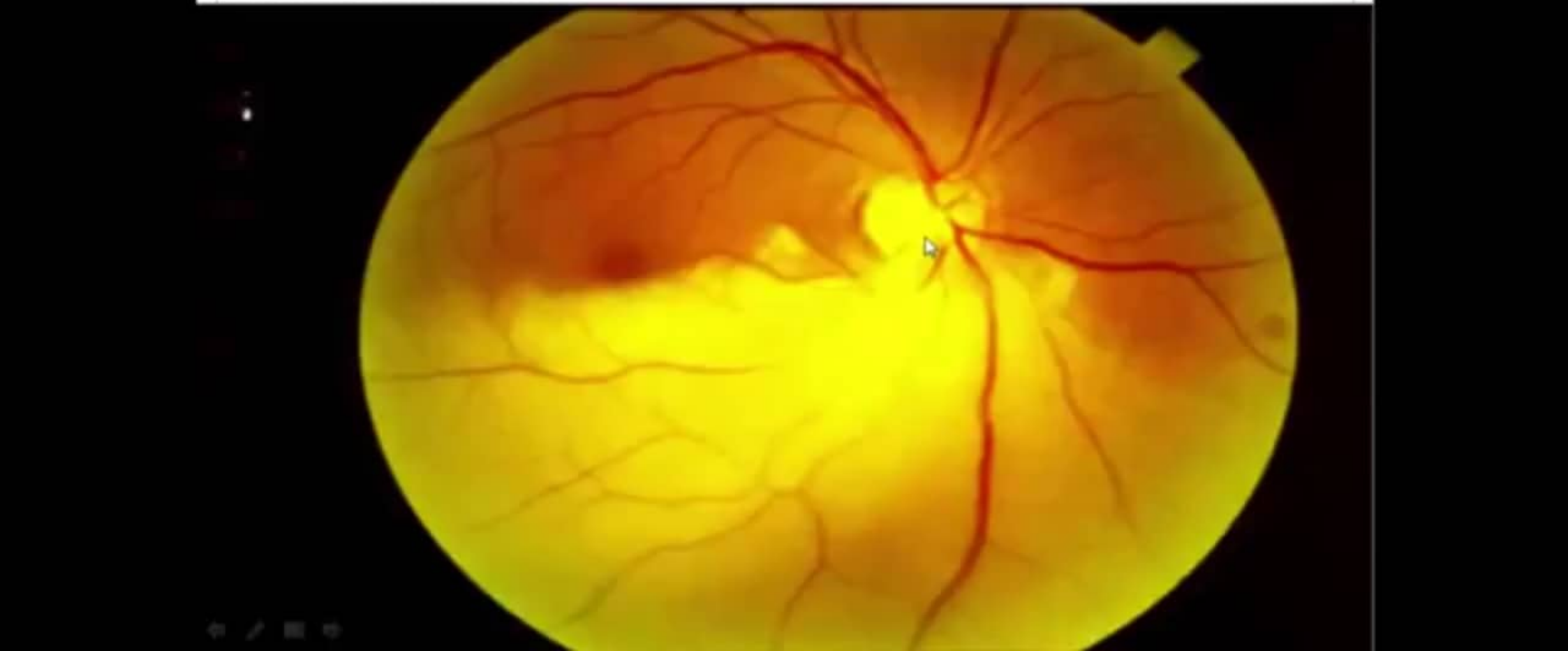
الممسوحة ضوئيا بـ CamScanner

CRAO



الممسوحة ضوئيا بـ CamScanner

BRAO



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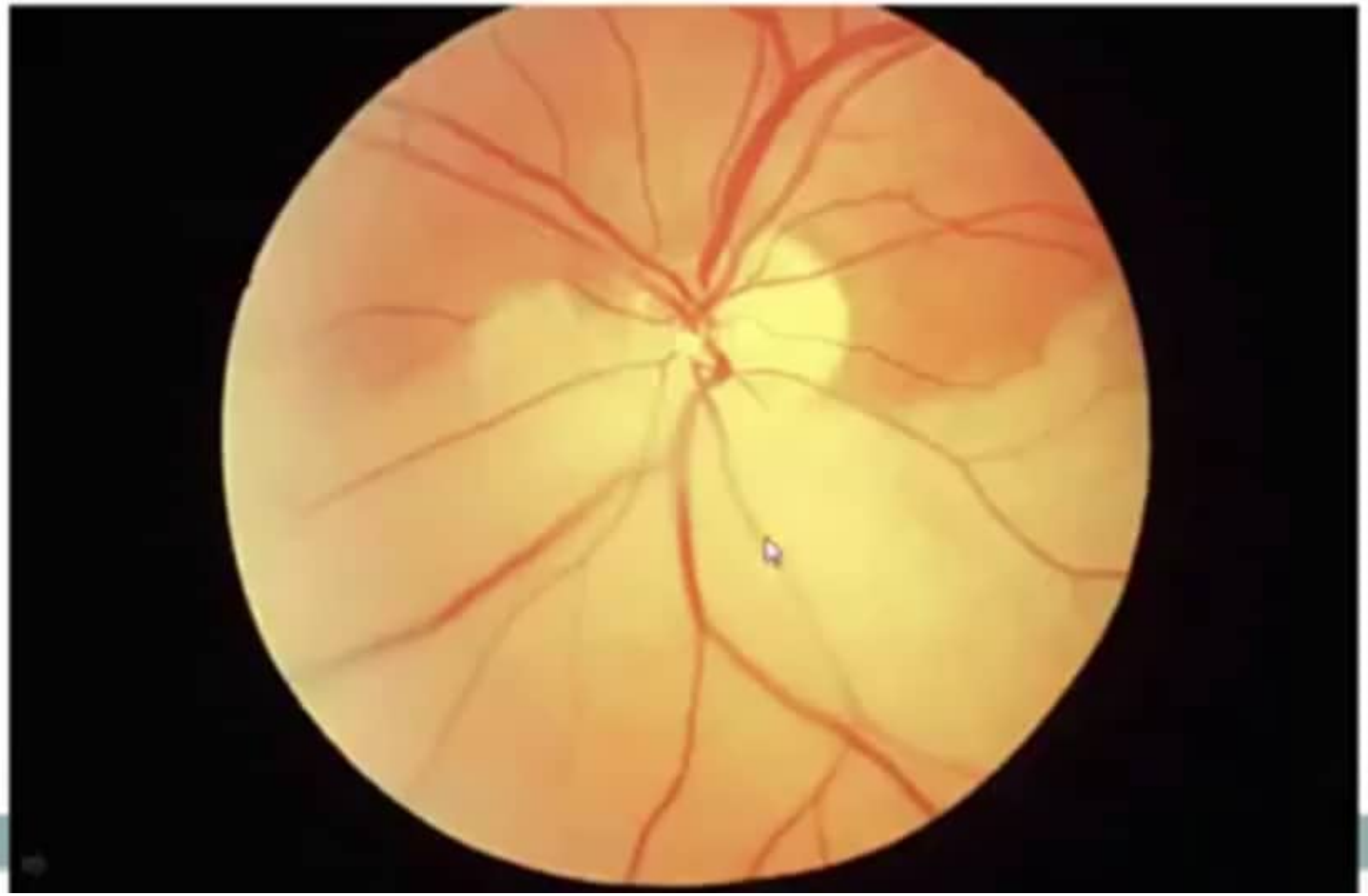
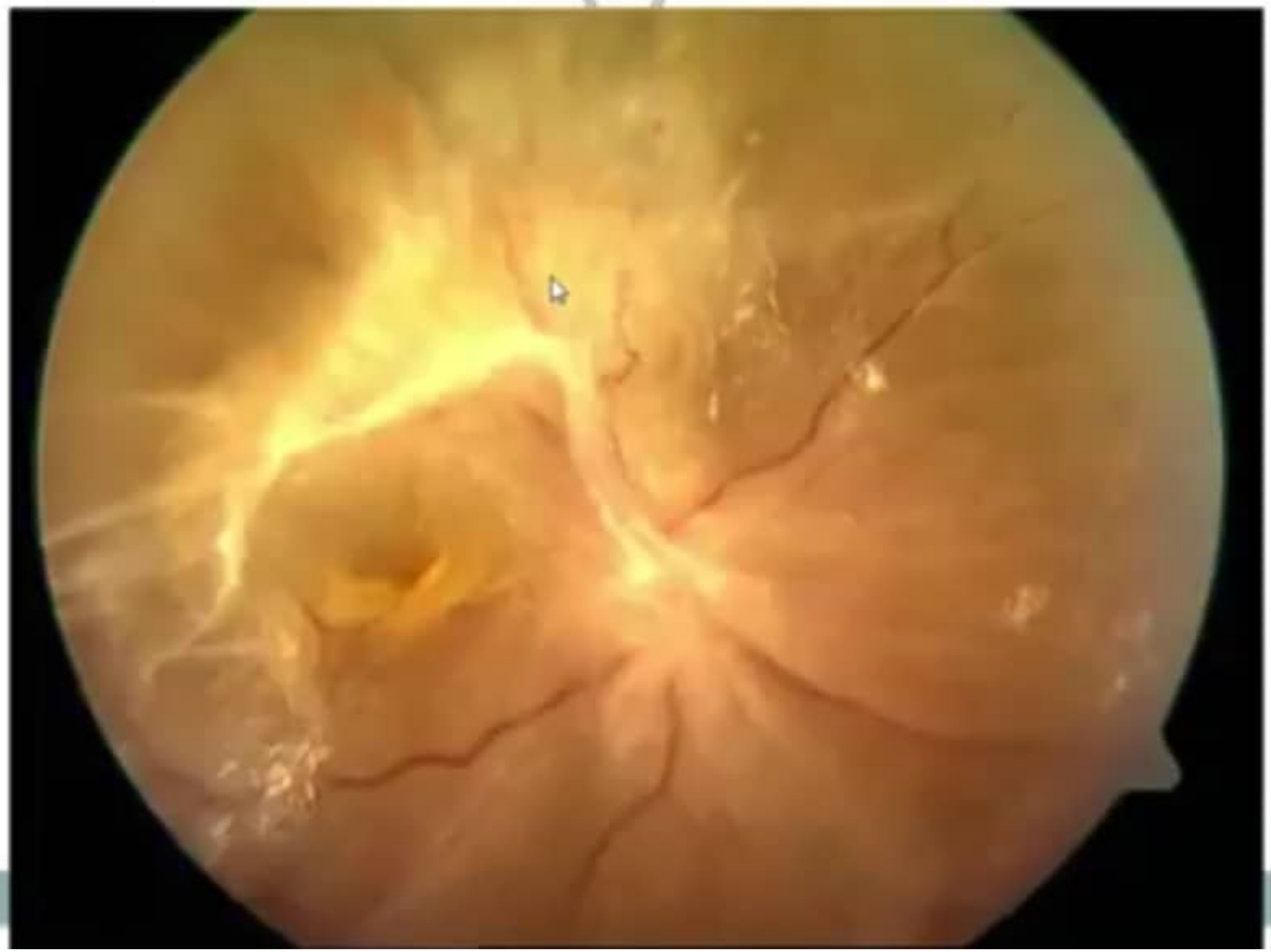
BRAO



الممسوحة ضوئيا بـ CamScanner

Tractional RD



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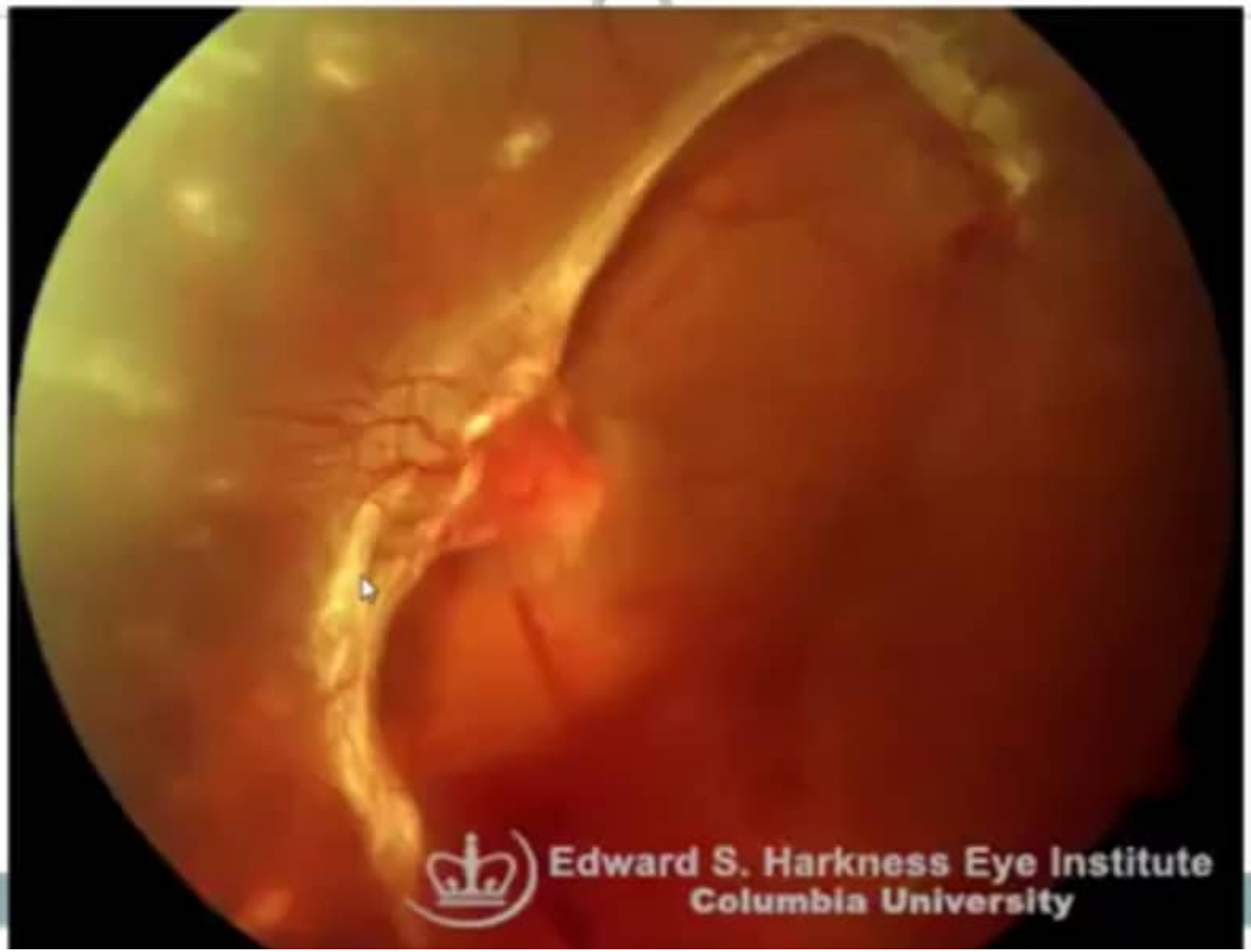
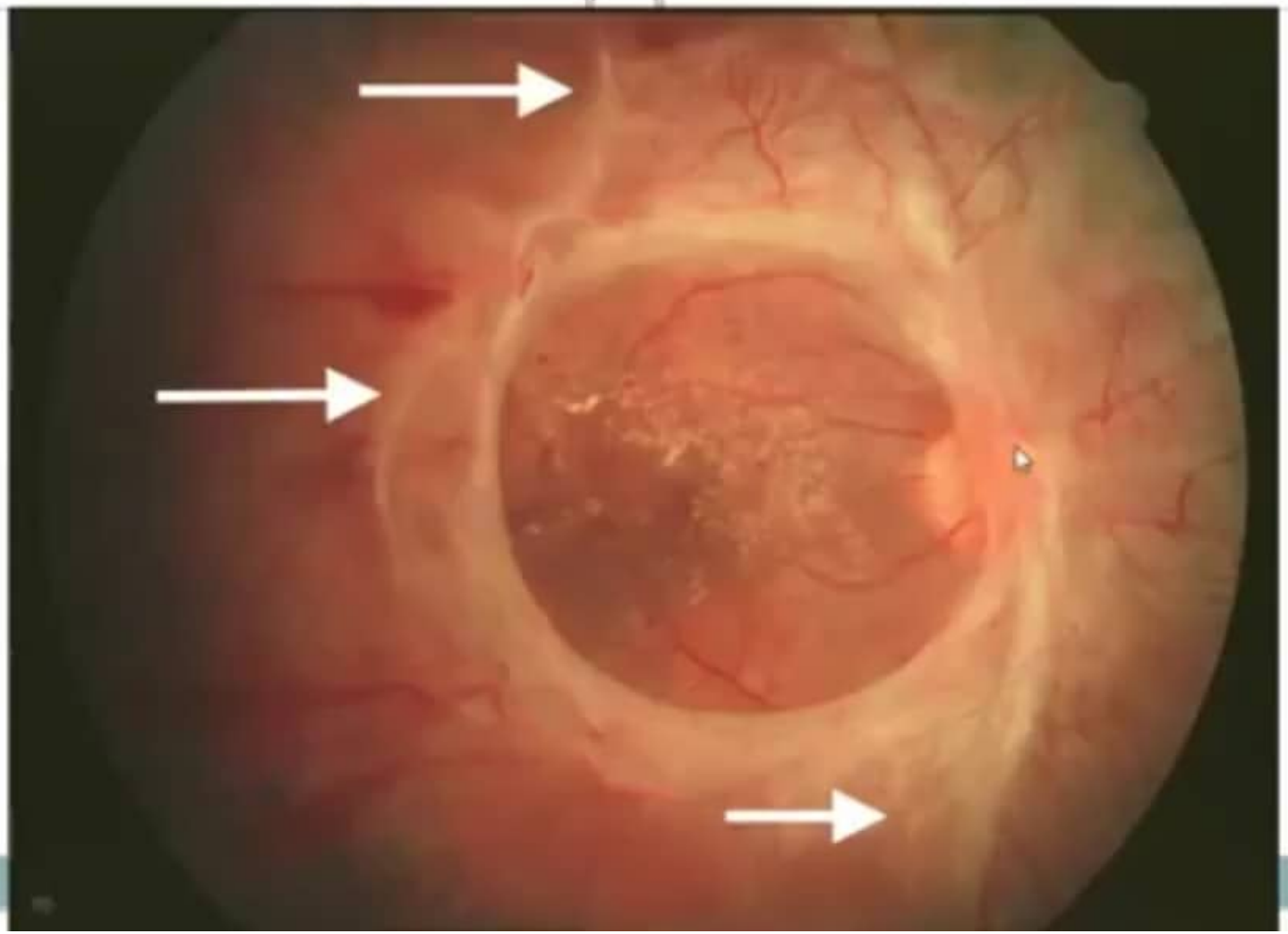
Tractional RD



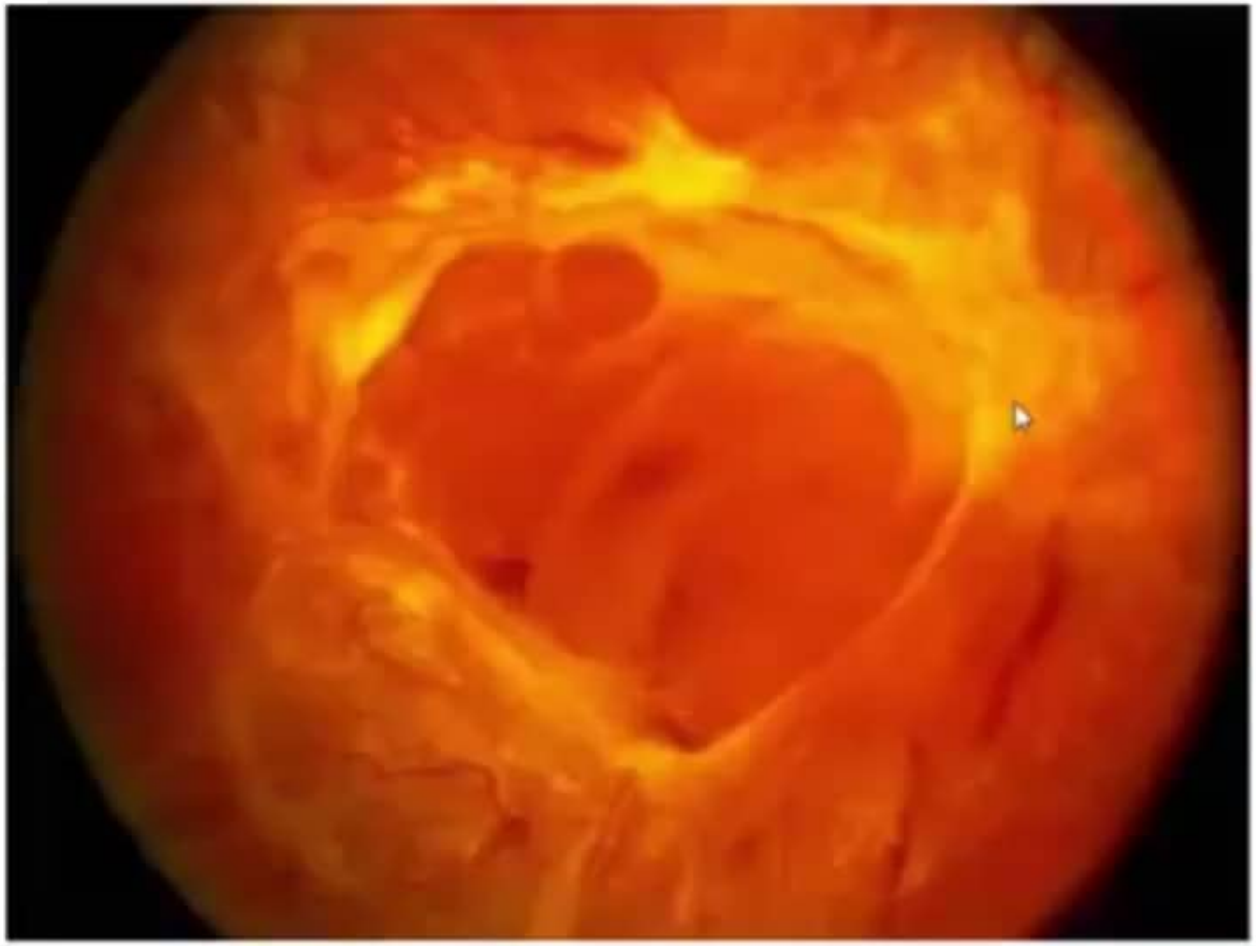
الممسوحة ضوئيا بـ CamScanner

Tractional RD



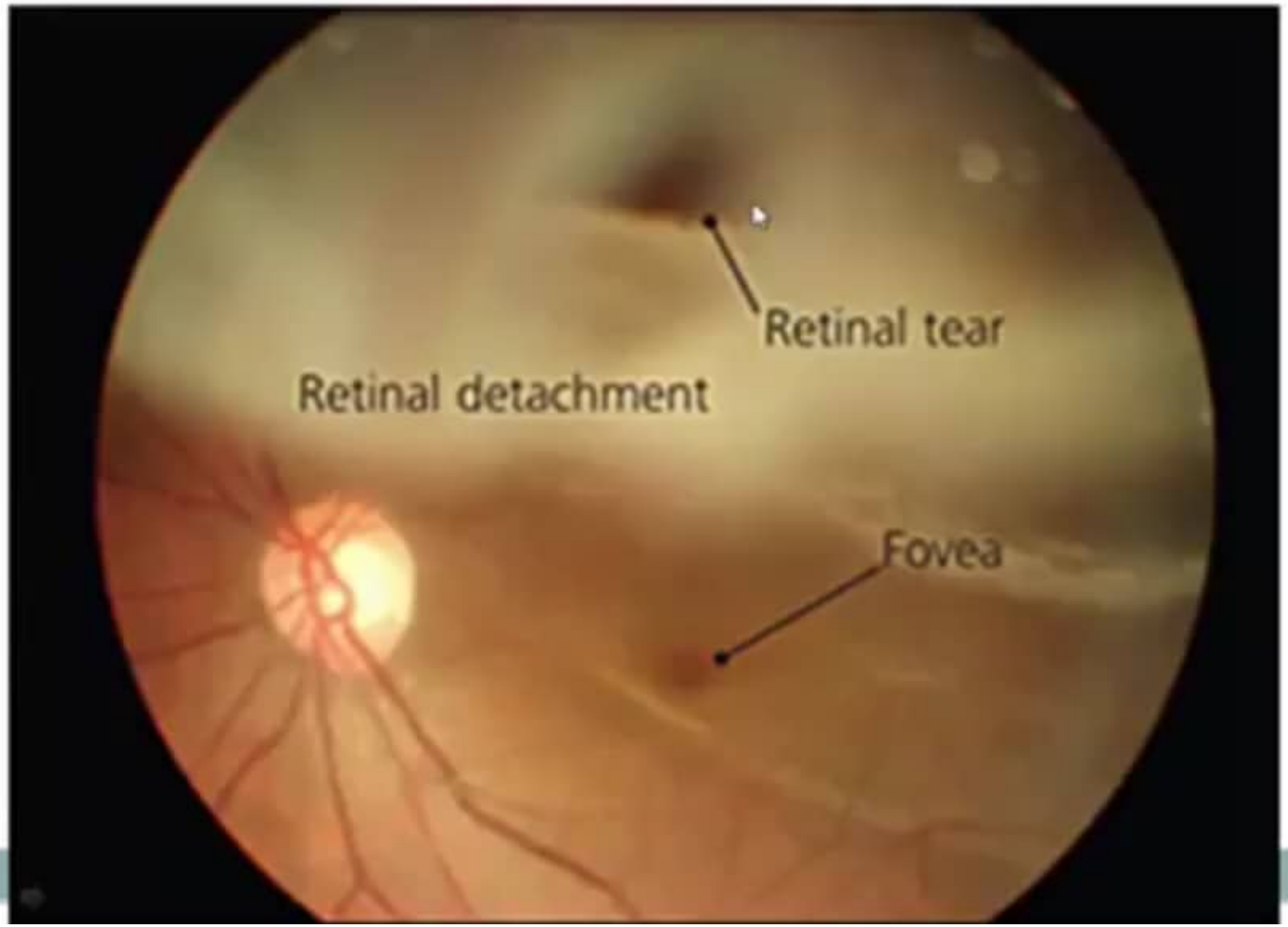
الممسوحة ضوئيا بـ CamScanner

Tractional RD

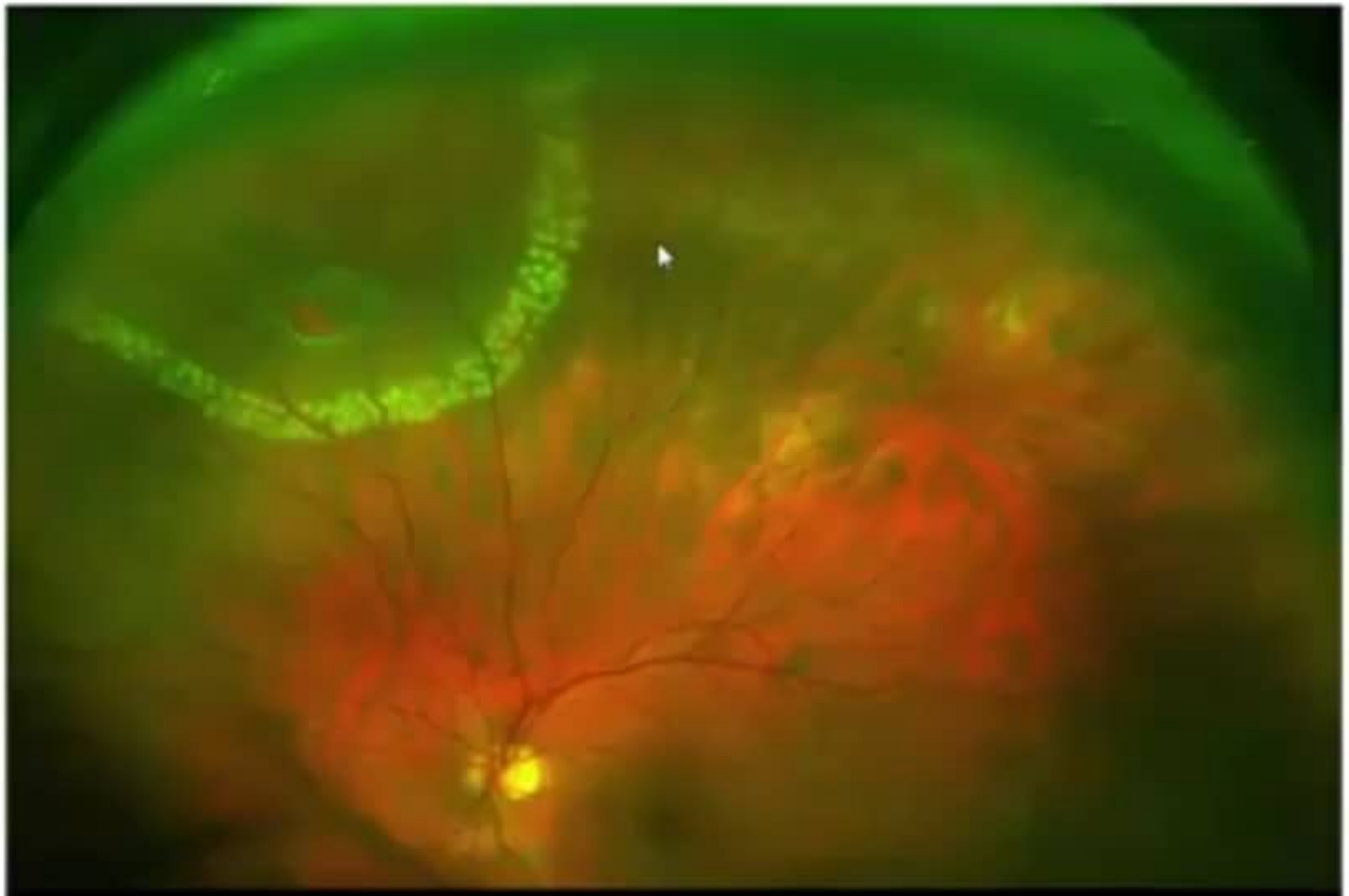


الممسوحة ضوئيا بـ CamScanner

Primay RD



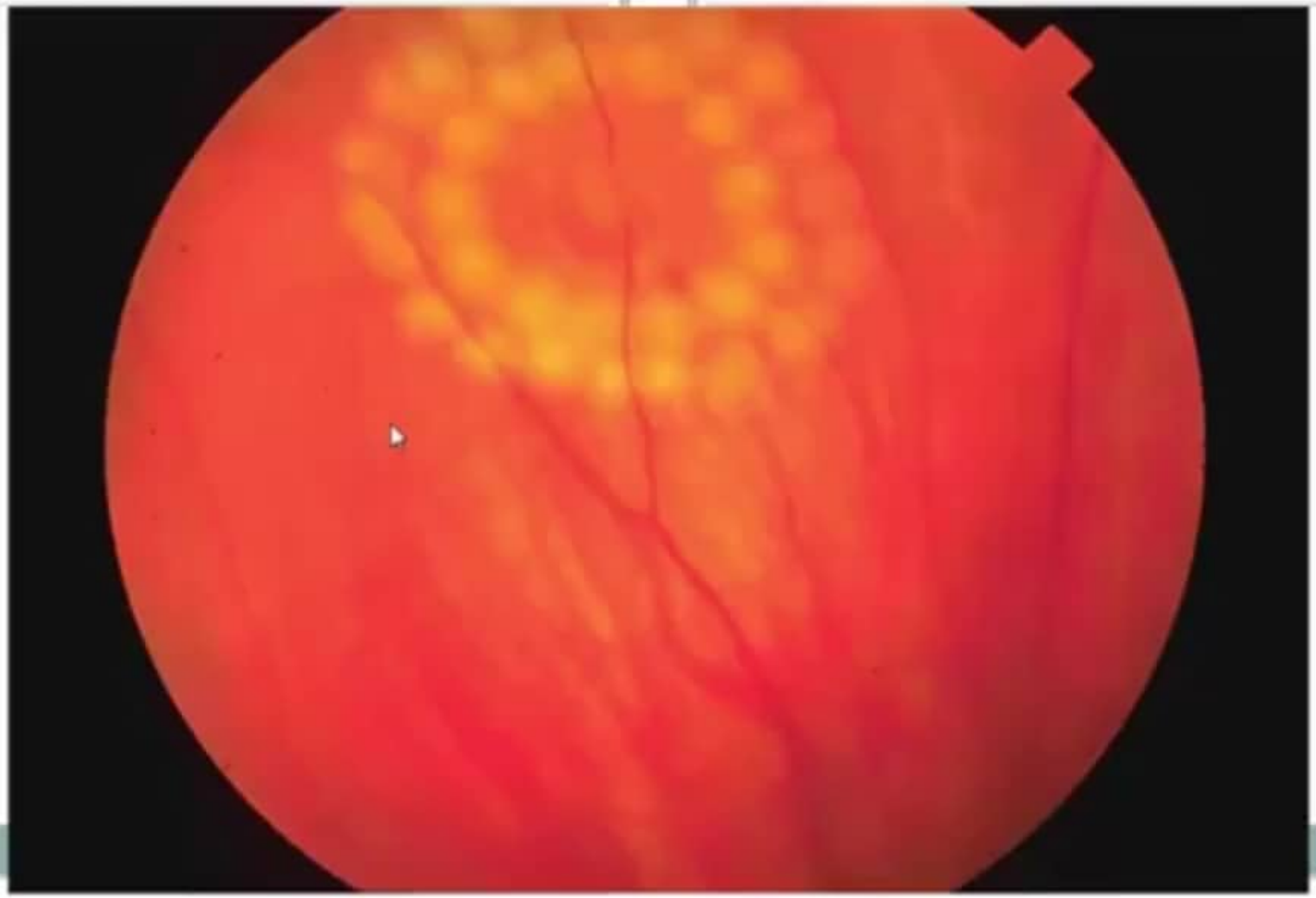
الممسوحة ضوئيا بـ CamScanner



A retinal tear with surrounding laser.

الممسوحة ضوئيا بـ CamScanner

A retinal tear with surrounding laser.



الممسوحة ضوئيا بـ CamScanner

A retinal tear with surrounding laser.

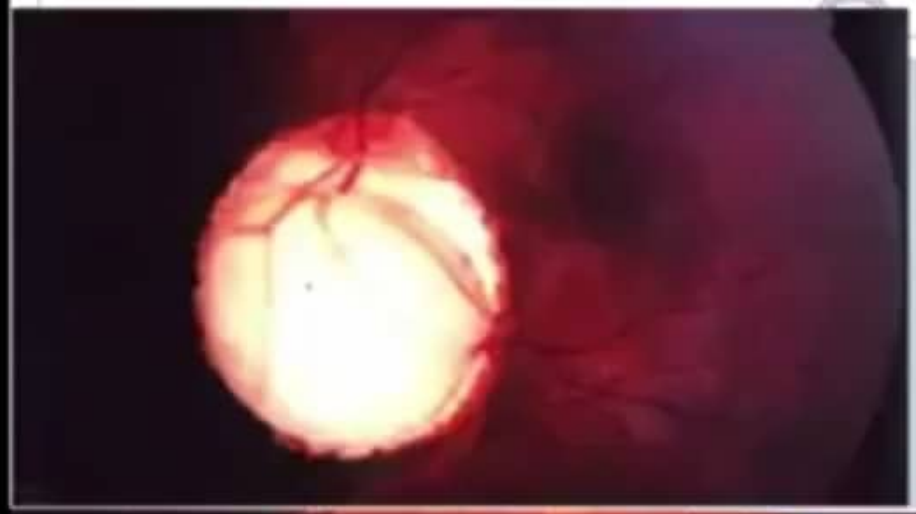
PHOTO COURTESY OF TRACEY TROSZAK, CRA, OCT-C

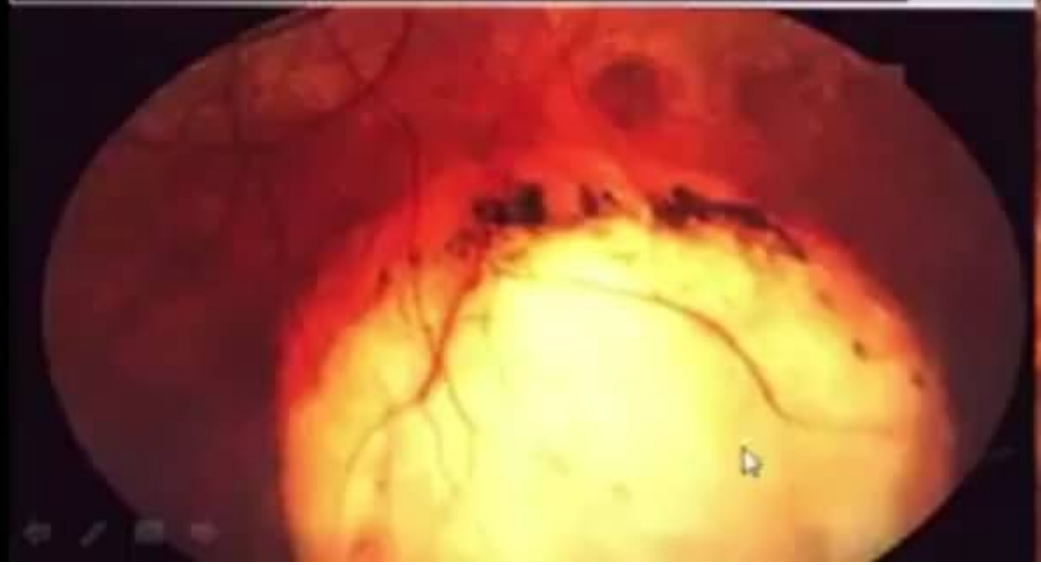
الممسوحة ضوئيا بـ CamScanner

High myopia:

الممسوحة ضوئيا بـ CamScanner

Coloboma OD ,Choroid,Iris





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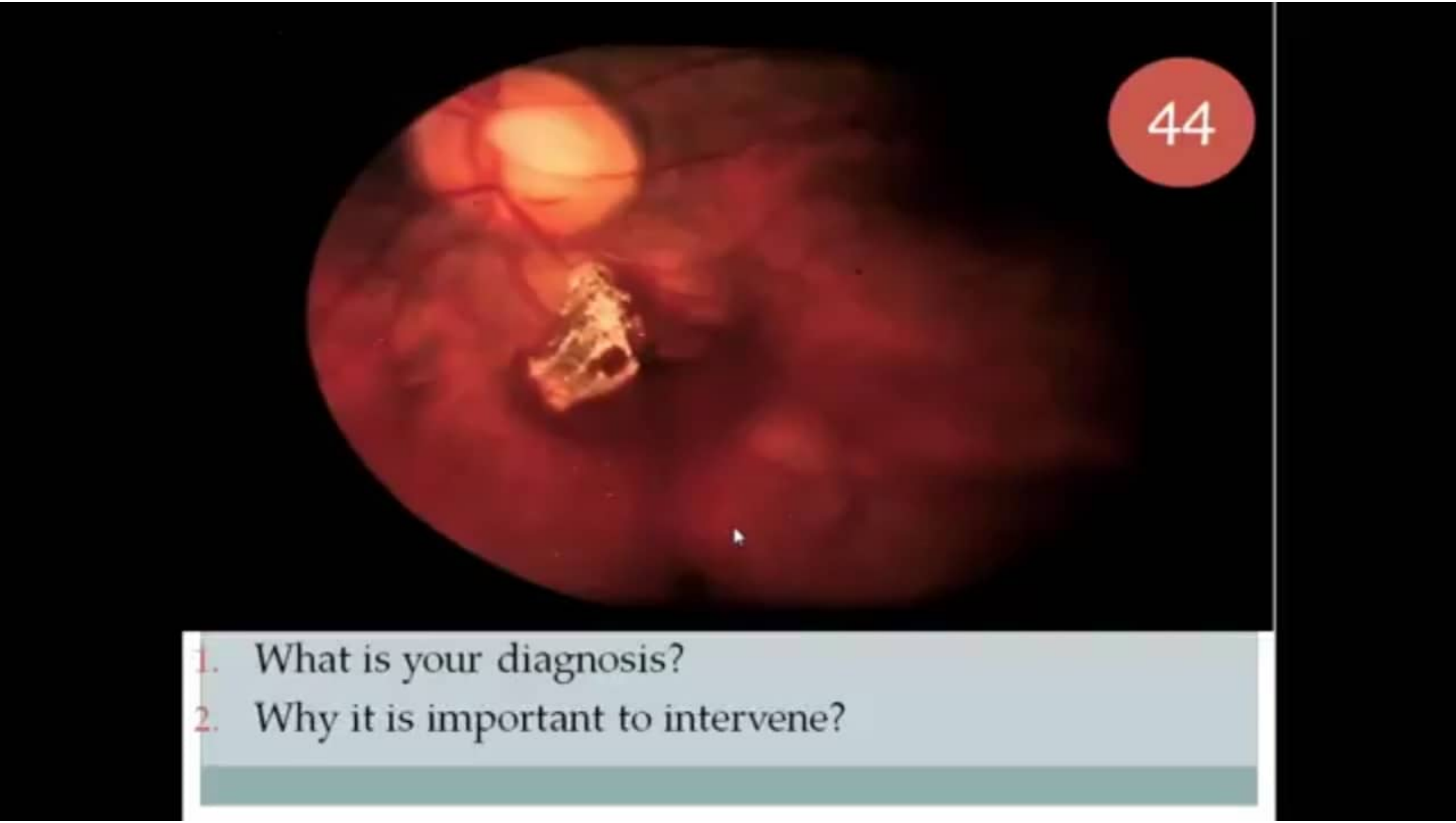
Macular Hole

الممسوحة ضوئيا بـ CamScanner

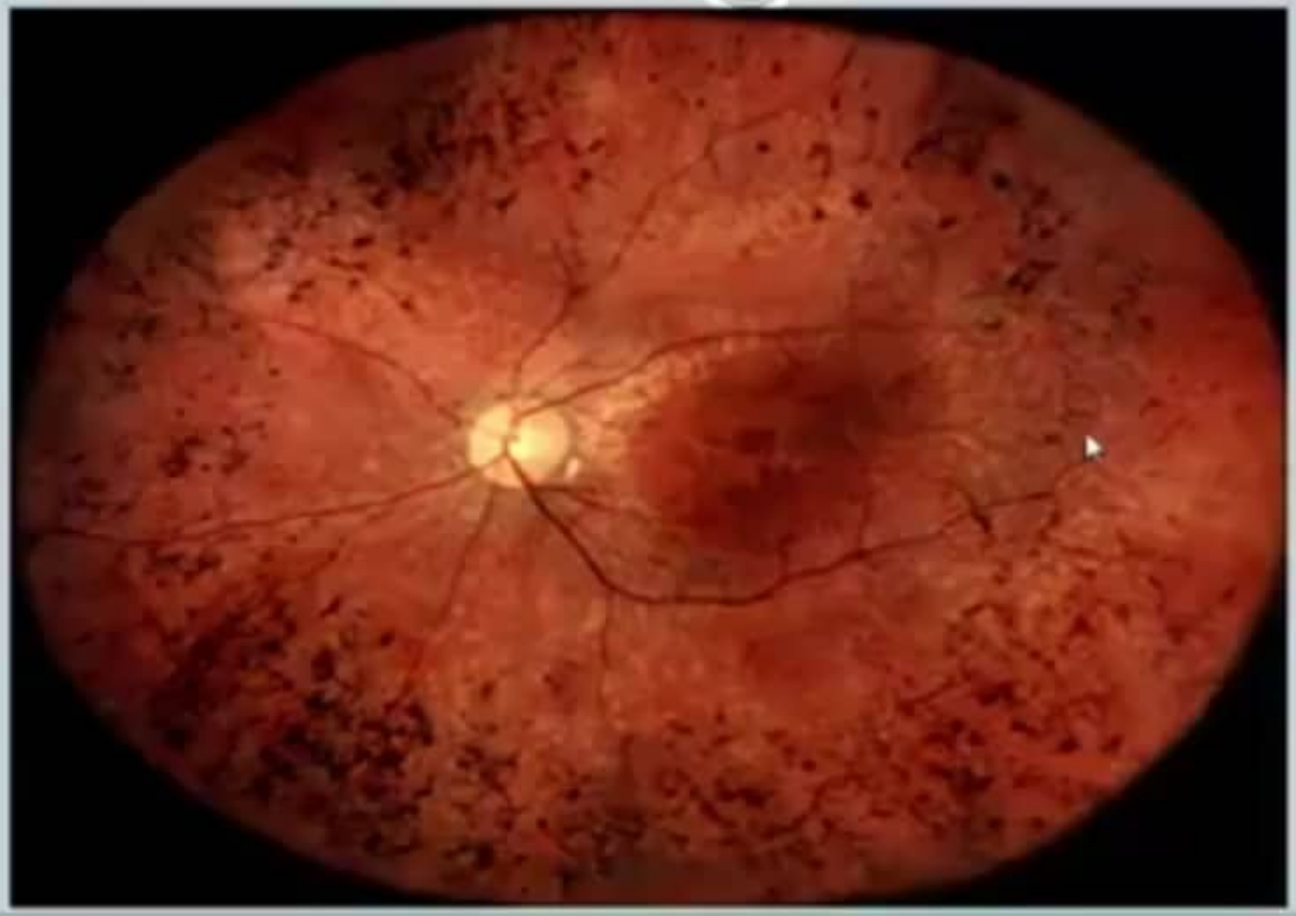


1. What is your diagnosis?
2. Why it is important to intervene?

الممسوحة ضوئيا بـ CamScanner

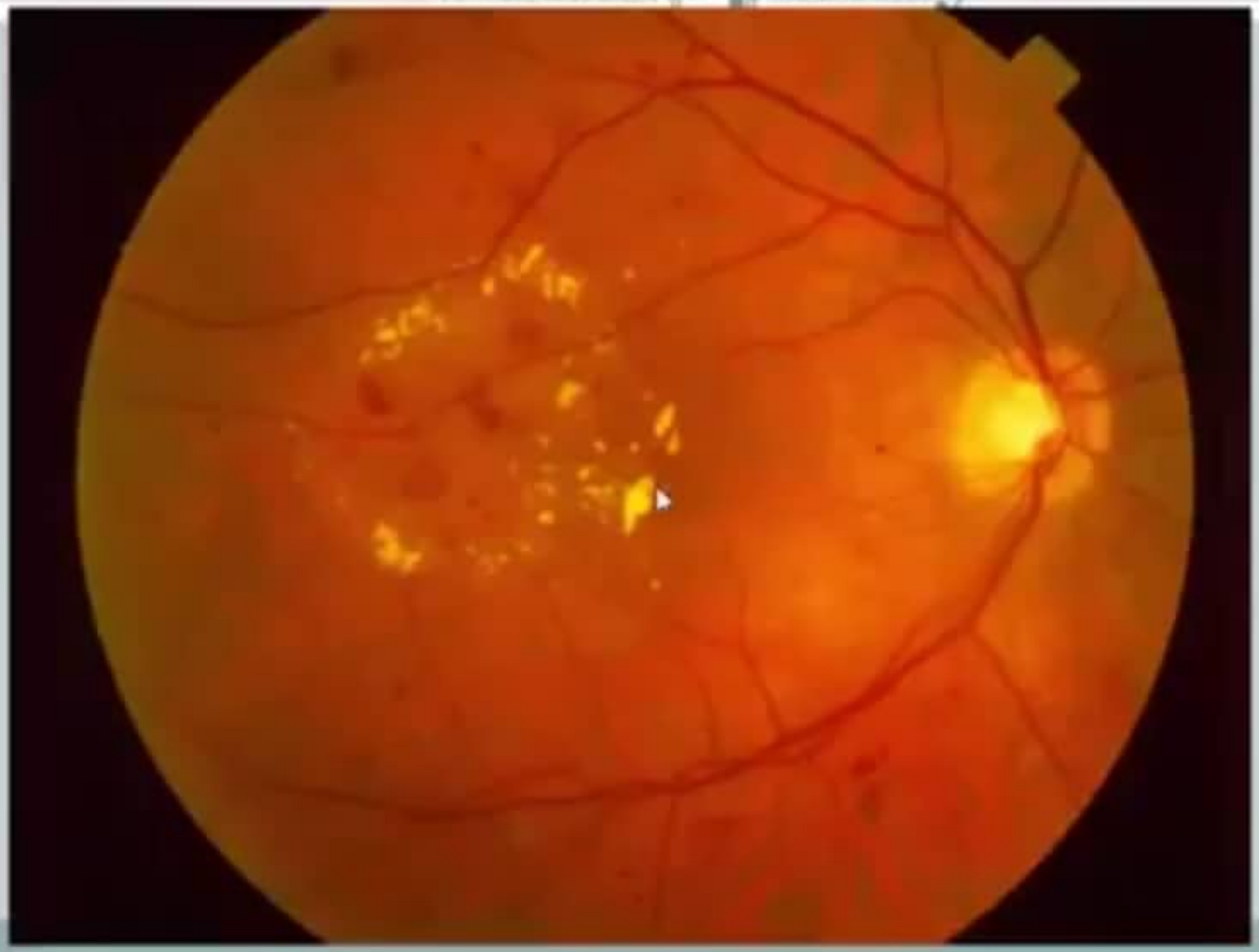
الممسوحة ضوئيا بـ CamScanner

Retinitis pigmentosa



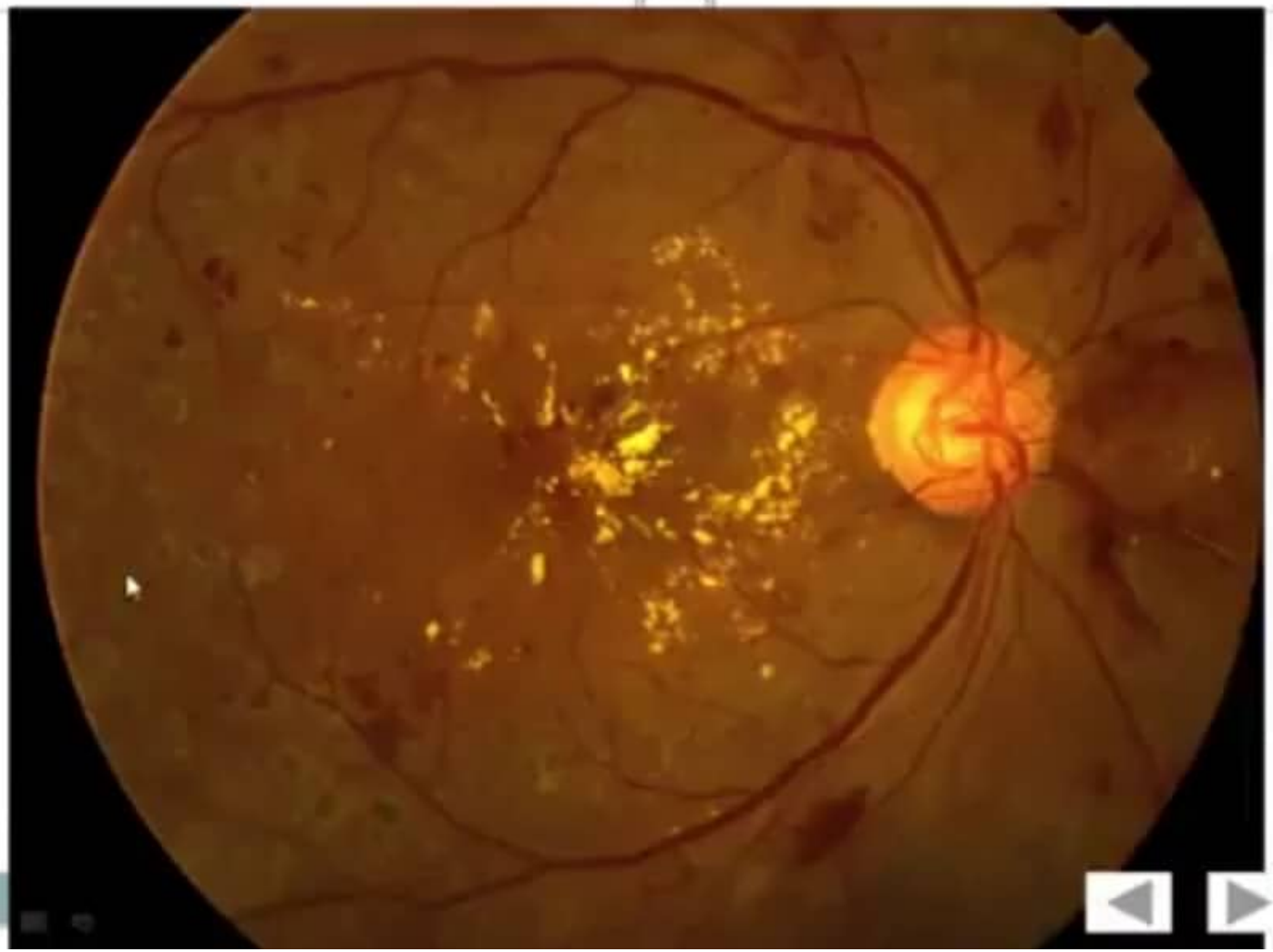
الممسوحة ضوئيا بـ CamScanner

nonproliferative diabetic retinopathy



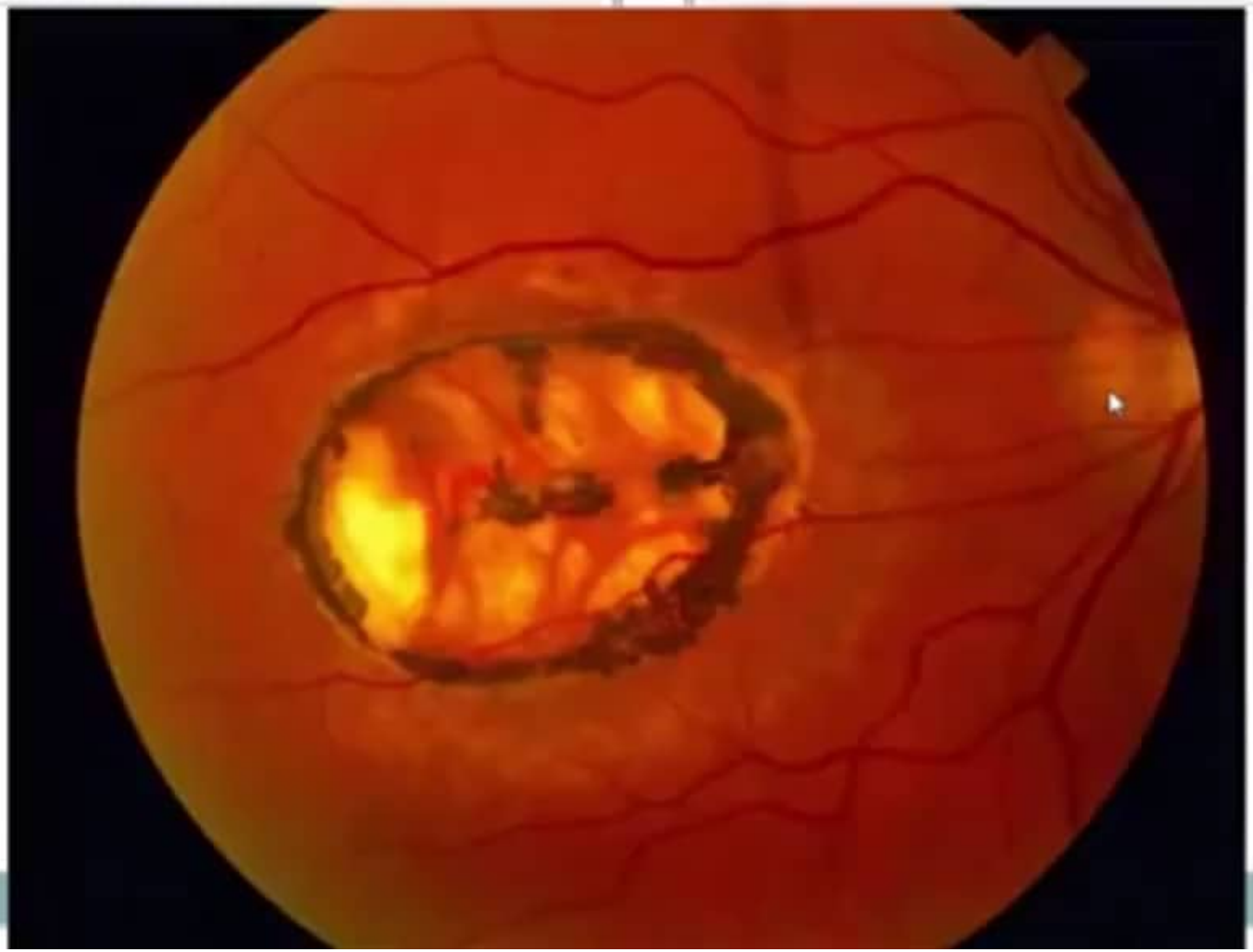
الممسوحة ضوئيا بـ CamScanner

Proliferative diabetic retinopathy



الممسوحة ضوئيا بـ CamScanner

Toxoplasmosis Retinitis



الممسوحة ضوئيا بـ CamScanner

① • five outer layer by choroid (diffusion)
• five inner layer by Central retinal artery

② • Direct of ophthalmoscope
• ✱ 15 time
• fundus examination

③ • direct ⟶ 15 time , indirect ⟶ 5 time

④ ① Small ② magnificate 15 time ③ erect

⑤ • Ischemic central retinal vein oculsion (ICRVO)
• neovascular glaucoma (ischemic حيث تأتي بعد ١٠٠ يوم
كيف عرفناه ؟ ① بيكون موجود نقع طبي (flame)
② بيكون dialted , tortous vein معانا
③ يوجد نقع بيضاء تسمى Catton-wool spots

⑥ Central ~~vein~~ retinal vein occulsion كيف عرفناه ؟
هه خلال النقطة رقم ① ② ⑤ في سؤال

الممسوحة ضوئيا بـ CamScanner

- it's Secondary closed angle glaucoma (neovascular glaucoma
- ① ttt underlying cause ② assiste DM, HTN
③ If it's ischemic, used Panretinal photocoaglation

⑦ - Central retinal vein occulsion!
- ① DM ② HTN

⑧ - Ischemic central retinal vein occulsion.
- 100 day glaucoma (neovascular glaucoma)

④ ① dialted tortouse vein ② Retinal hemorrhage
③ Optic disc edema ④ Catton-wool spots.

⑩ ① dialted tortouse vein ② Flame hemorrhage
③ Optic disc edema
- DM, HTN

⑪ - Central retinal vein occulsion.
- Sudden painless loss of vision

الممسوحة ضوئيا بـ CamScanner

(12). Retinal deattachment كيف عرفناها؟

① there's Bulging in retina ② Convex Shape ③ grayish Color

• Centra Vision affected (decrease)

(13). ① photopsia (شعر الريفيدا انه في ضوء لما عينك)

② Floaters (بيشكي بالهنان شيا بتتحرك)

③ Affect of vision (IF RD in ~~reh~~ priphral retina

There's visual field defect

↓ Central Vision واذا كانت، اجلد الى Macula كمل

(14). Retinal detachment (RD)

• Rhegmatogenous, Exudative RD, tractional RD

	Rh. OR	Exu. RD	Trac. RD
History	Aphakia, myopia, blunt trauma	HTN, malignancy, renal faluire	DM. Prematurity, Penetrating trauma.
Retinal break	Present	No	No

D.T.H

الواجب : .....

الممسوحة ضوئيا بـ CamScanner

Surface, height	Convex. Bulbos from superior break and shallow from inferior but never touches the lens	Convex often high and Can touch the Lens	Concave that Peaks to traction point, Not high
Retinal Mobility extent of RD	Undulating bullae or folds Extends to ora Serrata early	shifting elevated bullae may extend to roa.	Taut retina Doesn't extend to ora
SRF	clear, no shift	Turbid, shifts rapidly to dependut locations	clear, no shift
IOP	low	Varible	Usually normal
Causes	Retinal break	- Uveitis - Subretinal neovascularizatim - choroidal and retinal tumors	. PDR . Retinopathy of Prematurity. . intra ocular foregion body.

D.T.H

الممسوحة ضوئيا بـ CamScanner

(15) is Separation of the Sensory retina from underlying retinal Pigment epithulim by Sub-retinal fluid.

(16) ① Rhegmatogenous RD
② Exudative RD ③ tractional RD.

(17) . RD
• the same answer of 16

(18) ① micro vascular leakge ② micro vascular occulsion

(19) • ① Hard exudate ② punctum hemorrhage ③ dialted vein.
• ① Background diabetic retinopathy.
② Pre-proliferative diabetic retinopathy.
③ proliferative diabetic retinopathy.
• florcene angiography.

(20) • ① hard exudate ② dot-blot hemorghe (punctum)
• the same answer of 19

الممسوحة ضوئيا بـ CamScanner

21. Diabetic retinopathy.
   - ① Control blood suger

22. ① Hard exudate ② dot, blot hemorrhage.
   - the same answer of 19

23. leukocoria «white pupil»
   - If tumor is small → photocoagulation
   - " " is intermediate → Radiotherapy
   - " " is large → Encleation.
   - " " is extended to orbite → exenteration
   - " " is metastasis → chemotherapy

24. retinoblastoma
   - ① RD ② Retinopathy of prematurity
   ③ Endophthalmitis

25. If the retinoblastoma penetring optic nerve and choroid.

الممسوحة ضوئيا بـ CamScanner

(26) • Retinoblastoma (اللورة / بيضة قطية) (Ca++ deposition)
• ① leukocoria ② Squint ③ Secondary glaucoma

(27) • immature retinoblastoma
• intraocular classification

(28) • toxoplasma gondi

(29) • localized chorio-retinitis with vitreitis
• toxoplasma gondi
Sulfer amid

(30) • toxoplasma gondi
• Solanic acid, steroid, Sulferamid ...

(31) • Retinitis pigmentosa.
• ① waxy optic disc
• narrow blood vessles.
• Hyperpimentation.

الممسوحة ضوئيا بـ CamScanner

32. ① Autosomal dominant ② Autosomal recessive

33. • Retinitis pigmentosa
• night ~~blindness~~ blindness
• affect of photoreceptor layer

34. • Retinitis pigmentosa
• electroretinography

35. ① no effect treatment ② Vit A. (antioxidant)

36. • indicate of laser trace.
• Argon Laser

37. • retinophagoagulation laser
• Retinal ischemia

38. Damge of visual Cortex

الممسوحة ضوئيا بـ CamScanner

39. brana retinal Vein occulosion
- ① ~~ttt~~ ttt underlying Cause ② Conservative ttt
③ transfer to medicin to assiste DM, HTN

40. cherry-red spot
- ① Central retinal artery occulosion ② Tay-~~seh~~ Sachs diseas

41. Graint Cells arthritis
- ① Vasodaltor ② ↑ blood flow in retina

42. enverted hypopon

43. Retinal tear
- Argon laser photocagulation

44. intraocular forgen body
- must be remove in affect of optic disc or macula

الممسوحة ضوئيا بـ CamScanner

موضوع الدرس : .....

التاريخ : / / ٢٠ م

اليوم : .....

الموافق : / / ١٤ هـ

45 • ① Cotton-wool spots

② ~~exudate~~ hard exudate

③ optic disc edema

④ dialted torouse blood vessels

• Hypertensive retinopathy.

CamScanner الممسوحة ضوئيا بـ